

AUG 10 1972

Mathematical Reviews

Published monthly by The American Mathematical Society

INDEX FOR VOLUME 43

January 1972 — June 1972

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MATHEMATICS

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M4236

vol. 43

1972

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SUBJECT CLASSIFICATION

This is a list of headings, with code numbers, under which articles were classified during the first half of 1972. The headings in capital letters are identical with those appearing in the monthly issues.

00. GENERAL

- 00 General mathematics
- 04 Collections of papers: Proceedings of conferences of general interest, translation volumes, etc. (See also 01.60)
- 20 General bibliographies
- 30 Dictionaries and other general reference works
- 50 Methodology and philosophy of mathematics

01. HISTORY AND BIOGRAPHY

- 01 General histories, source books
- 02 Primitive
- 05 Pre-Greek, Babylonian, Egyptian
- 08 Greek
- 10 Far East
- 12 Islam
- 15 Medieval
- 18 15th and 16th centuries, Renaissance
- 20 17th century
- 25 18th century
- 30 19th century
- 35 20th century
- 40 Contemporary
- 50 Biographies, obituaries, personalia
- 60 Collected or selected works; reprintings or translations of classics

02. LOGIC AND FOUNDATIONS

- 10 Classical deductive systems, general
- 12 Propositional calculus, two-valued
- 16 Predicate calculus
- 18 Classical proof theory
- 20 Non-classical logic, general
- 23 Intuitionism
- 25 Many-valued logic
- 27 Modal logic
- 30 Formal syntax and linguistics, general
- 32 High-order languages
- 35 Infinitary languages
- 38 Languages with additional quantifiers
- 40 Algebraic logic, general
- 42 Boolean algebras, lattices, topologies
- 45 Algebra of relations
- 48 Cylindric and polyadic algebras
- 50 Model theory, general
- 52 Semantics and metamathematics, categoricity
- 54 Axiomatics and applications, decision methods
- 57 Non-standard models
- 60 Axiomatic set theory, general
- 63 Formalization of set theory
- 65 Consistency, independence, existence
- 68 Measurability, accessibility, other special questions
- 70 Recursive function theory, general
- 72 Arithmetic and recursive analysis
- 74 Undecidability
- 75 Unsolvability in mathematical systems
- 77 Hierarchies
- 80 Algorithms and machines, general
- 82 Turing, Post, Thue schemes
- 85 Combinatory logic
- 88 Abstract automaton theory (See also 94.40)

04. SET THEORY

- 15 Point sets
- 20 Relations (See also 08.20)

30 Transfinite numbers

- 40 Descriptive set theory; Borel classifications, Suslin schemes, etc. (See also 28.10)
- 60 Combinatorial (See also 05.04)

05. COMBINATORIAL THEORY, GRAPH THEORY

- 04 Combinatorial choice problems; subsets, representatives
- 05 Factorials, binomial coefficients, combinatorial functions
- 10 Combinatorial enumeration problems, generating functions
- 15 Combinatorial inequalities
- 20 Block designs (See also 62.61)
- 22 Difference sets (number-theoretic, group-theoretic, etc.)
- 24 Orthogonal arrays, Latin squares
- 25 Matrices
- 27 Finite geometries (See also 50.60)
- 30 Other designs, configurations
- 35 Matroids, geometric lattices
- 40 Graphs, general theory
- 45 Trees
- 50 Topological graph theory, embedding (See also 55.10)
- 55 Chromatic theory of graphs and maps
- 60 Directed graphs (digraphs)
- 62 Graphs and groups
- 65 Enumeration of graphs and maps

06. ORDER, LATTICES, ORDERED ALGEBRAIC STRUCTURES

- 10 Total order
- 20 Partial order
- 30 Lattices, generalizations
- 35 Complemented lattices, generalizations
- 40 Modular lattices, continuous geometries, generalizations
- 50 Distributive lattices, generalizations
- 60 Boolean algebras and rings
- 65 Order topologies (See also 54.56)
- 70 Ordered semigroups, other generalizations of groups
- 75 Ordered groups
- 78 Ordered abelian groups
- 80 Ordered linear spaces (See also 46.06)
- 85 Ordered rings, algebras, modules (See 12.70 for ordered fields)
- 90 Other ordered algebraic structures

08. GENERAL MATHEMATICAL SYSTEMS

- 10 Concrete categories, structures (See also 18.10)
- 20 Laws of composition
- 30 Universal algebra, general algebraic structures
- 40 Other

10. THEORY OF NUMBERS

- 01 General books
- 02 Tables
- 03 Computations
- 05 Elementary number theory, general
- 06 Congruences, residues
- 07 Special functions and sequences
- 08 Elementary prime number theory
- 09 Expansions and algorithms
- 10 Diophantine equations, general
- 11 Linear and quadratic equations
- 12 Cubic and quartic equations
- 13 Equations of higher degree
- 14 Local (p -adic) theory
- 15 Forms, general
- 16 Quadratic, Hermitian forms
- 17 Forms of degree ≥ 3
- 18 Multilinear forms

SUBJECT CLASSIFICATION

- 20 Modular functions and forms, automorphic functions (See also 20.65, 30.49, 32.65)
 - 21 Modular group, modular functions
 - 22 Automorphic forms, one variable
 - 23 Several variables
 - 25 Geometry of numbers
 - 30 Diophantine approximation
 - 31 Linear approximation, continued fractions
 - 32 Algebraicity, irrationality and transcendence
 - 33 Distribution modulo 1, normal numbers
 - 34 Analytic and p -adic theory
 - 40 Analytic multiplicative theory, general
 - 41 Analytic tools (Zeta- and L -functions, exponential sums, etc.)
 - 42 Distribution of the integers with specified multiplicative structure (including primes)
 - 43 Number-theoretic functions
 - 45 Analytic additive theory, general
 - 46 Sums of powers, generalizations
 - 47 Additive questions concerning primes
 - 48 Partitions, generating functions
 - 49 Sequences
 - 50 Probabilistic number theory
 - 55 Combinatorial problems in number theory (See also 05.00)
 - 60 Sequences of integers, general
 - 61 Recursive and other special sequences
 - 62 Addition of sequences, basis, essential components, etc.
 - 63 Density of special sequences
 - 64 Sieves
 - 65 Algebraic number theory, general (See also 12.50)
 - 66 Individual algebraic number fields (quadratic, cubic, cyclotomic, Kummer, etc.)
 - 67 Local theory (valuations, finite extensions of p -adic fields)
 - 68 Class field theory, complex multiplication
 - 69 Arithmetic of general rings
 - 75 Arithmetic theory of algebraic objects
 - 76 Polynomials
 - 77 Finite fields, power series fields
 - 78 Valued fields, algebraic functions fields
 - 79 Matrices
 - 80 Decidability, other logical questions
12. FIELDS AND POLYNOMIALS
 - 10 Division rings (See also 16.46)
 - 20 Finite fields (See also 10.77)
 - 25 Polynomials over finite fields
 - 30 Polynomials
 - 40 Galois theory (See also 12.80, 13.70, 16.70)
 - 45 Algebraic extension fields
 - 50 Algebraic number fields (See also 10.65)
 - 70 Valuations, topological fields, ordered fields (See also 10.78, 13.98)
 - 75 Transcendental extension fields
 - 78 Algebraic function fields (See also 10.78, 14.35)
 - 80 Differential and difference algebra; differential Galois theory
13. COMMUTATIVE ASSOCIATIVE RINGS AND ALGEBRAS
(See also 16.00)
 - 10 General theory
 - 15 Integral domains, unique factorization domains
 - 20 Ideal theory
 - 25 Chain conditions; Artinian rings, Noetherian rings
 - 30 Radical theory
 - 40 Modules, representation
 - 50 Structure, classification
 - 60 Automorphisms, derivations
 - 70 Galois theory
 - 80 Extension theory
 - 90 Homological methods
 - 93 Rings of polynomials, formal power series
 - 95 Local rings
 - 98 Valuations (See also 12.70)
14. ALGEBRAIC GEOMETRY
 - 01 Algebraic varieties in real and complex spaces, classical algebraic geometry
 - 05 Algebraic geometry over abstract fields and rings, general
 - 08 Foundational questions
 - 10 Theories of equivalence
 - 15 Transformations and correspondences
 - 18 Singularities
 - 20 Algebraic curves, surfaces and special varieties
 - 35 Algebraic function fields (See also 10.78, 12.78)
 - 40 Arithmetic properties of varieties
 - 45 Rationality questions
 - 47 Weil conjectures, Riemann hypotheses
 - 48 Zeta functions for varieties (including mod p questions)
 - 49 Geometric analogues of arithmetic questions
 - 50 Group varieties (algebraic groups), abstract analytic groups
 - 51 Abelian varieties
 - 52 Abstract derivations and differentials
 - 55 Sheaf-theoretic and homological methods
15. LINEAR AND MULTILINEAR ALGEBRA, MATRIX THEORY
 - 05 Vector spaces, linear dependence, rank
 - 10 Linear equations
 - 15 Matrix inversion, generalized inverses
 - 20 Determinants, permanents, other special matrix functions
 - 25 Eigenvalues and eigenvectors
 - 30 Canonical forms, reductions, classification
 - 35 Matrix equations and identities
 - 38 Commutativity
 - 40 Algebraic systems of matrices (See also 16.48, 20.75)
 - 45 Matrices over special rings (quaternions, finite fields, etc.)
 - 48 Matrices of integers (See also 10.79)
 - 50 Linear inequalities
 - 55 Inequalities involving eigenvalues and eigenvectors
 - 58 Miscellaneous inequalities involving matrices
 - 60 Positive matrices
 - 65 Stochastic matrices
 - 70 Quadratic and bilinear forms, inner products
 - 75 Clifford algebras
 - 80 Multilinear algebra, tensor products
 - 85 Vector and tensor algebra, theory of invariants
 - 90 Exterior algebra, Grassman algebras
16. ASSOCIATIVE RINGS AND ALGEBRAS (See also 13.00)
 - 10 General theory
 - 15 Integral domains, unique factorization domains (non-commutative)
 - 20 Ideal theory
 - 25 Chain conditions; Artinian rings, Noetherian rings
 - 30 Radical theory
 - 32 Nil, nilpotent, radical rings
 - 40 Modules, representation
 - 42 Primitive rings
 - 44 Semisimple rings
 - 46 Simple rings, division rings
 - 48 Matrix rings
 - 49 Rings with polynomial identity
 - 50 Structure, classification
 - 53 Prime rings
 - 55 Rings with annihilator conditions
 - 56 Regular rings
 - 58 Rings with involution
 - 60 Automorphisms, derivations
 - 70 Galois theory
 - 80 Extension theory
 - 90 Homological methods
 - 94 Finite rings
 - 96 Semirings, other generalizations of rings (See also 08.00)
 - 98 Topological rings

SUBJECT CLASSIFICATION

17. NONASSOCIATIVE RINGS AND ALGEBRAS

- 10 General
- 20 Power associative
- 30 Lie (See also 22.80)
- 40 Jordan
- 50 Alternative
- 60 Other

18. CATEGORY THEORY, HOMOLOGICAL ALGEBRA

- 10 Abstract categories and functors (See also 08.10)
- 15 Abelian categories
- 20 Homological algebra

20. GROUP THEORY AND GENERALIZATIONS

- 08 Varieties of groups
- 10 Group presentations; free groups, generators, relations
- 15 Periodic groups
- 18 Groups with local properties
- 20 Groups acting on sets, permutation groups
- 22 Automorphism groups
- 25 Finite group theory
- 27 Structure of groups, classification
- 29 Simple groups
- 30 Abelian groups
- 40 Nilpotent, solvable, p -groups
- 43 Sylow subgroups, Γ -subgroups
- 48 Group extensions
- 50 Homological methods in group theory
- 51 Limits of systems of groups
- 52 General products of groups (including semi-direct, wreath, free, amalgamated)
- 54 Special subgroups
- 56 Series of subgroups
- 58 Lattices of subgroups
- 60 Crystallographic and discrete geometric groups
- 65 Modular groups, discrete subgroups of classical groups
- 70 Classical groups (See also 22.55)
- 72 Collineation groups
- 75 Linear groups, general (See also 14.50)
- 80 Representations, characters, group algebras
- 85 Representations of symmetric groups
- 90 Semigroup algebras, representations, characters
- 92 Semigroups, general theory (See also 06.70)
- 93 Semigroups, structure and classification
- 95 Other binary systems; groupoids, quasigroups, loops
- 97 Ternary systems; heaps, semiheaps, heapoids
- 98 n -ary systems (See also 08.00)

22. TOPOLOGICAL GROUPS AND LIE THEORY

- 05 Topological semigroups and other generalizations of groups
- 10 Topological groups
- 20 Locally compact groups (See also 28.75 for Haar measure, 42.50 for LCA groups)
- 40 Transformation groups (See also 54.80, 54.82, 57.47)
- 50 Lie groups
- 55 Classical groups (See also 14.50, 20.70)
- 57 Representations and analysis of classical groups (See also 81.22)
- 60 Representations and analysis, general
- 65 Harmonic analysis on non-abelian groups (See 42.50 for LCA groups)
- 70 Homogeneous spaces, symmetric spaces (See also 53.66, 53.73, 57.45)
- 80 Lie algebras of Lie groups (See also 17.30)
- 90 Other Lie theory

26. FUNCTIONS OF REAL VARIABLES

- 10 Foundations: limits and generalizations, elementary topology of the line

20. Calculus

- 21 Elementary functions
- 30 Continuity and related questions (modulus of continuity, semicontinuity, discontinuities, etc.)
- 35 Classification of real functions; Baire classification of sets and functions (See also 28.00)
- 40 Differentiation, general theory; mean-value theorems (See also 28.16)
- 41 Non-differentiability (non-differentiable functions, points of non-differentiability), discontinuous derivatives
- 43 Generalized derivatives, derivatives of fractional order
- 44 Antidifferentiation
- 45 Denjoy integral, other special integrals
- 46 Integrals of Riemann, Stieltjes and Lebesgue type (See also 28.00)
- 49 Functions of bounded variation, generalizations
- 50 Monotonic functions, generalizations
- 52 Convexity, generalizations
- 54 Fixed-point theorems
- 55 Several variables, implicit function theorems, Jacobians, transformations with several variables
- 56 Length, area, volume
- 60 Polynomials
- 70 Inequalities (of a general and miscellaneous character)
- 80 Real-analytic functions, C^∞ functions

28. MEASURE AND INTEGRATION

- 10 Classes of sets (Borel fields, σ -rings, etc.), measurable sets, Suslin sets, analytic sets (See also 04.40)
- 13 Real- or complex-valued set functions, contents, measures, outer measures, capacities, etc.
- 16 Abstract differentiation theory, differentiation of set functions (See also 26.40)
- 20 Measurable and non-measurable functions; modes of convergence
- 25 Integration with respect to measures and other set functions
- 30 Integration theory via linear functionals (Radon measures, Daniell integrals, etc.)
- 40 Measures and integrals in product spaces
- 46 Measures and integrals in function spaces, linear spaces; Wiener measure
- 50 Vector-valued measures and integrals, integration of vector-valued functions
- 55 Integration and disintegration of measures, lifting theory
- 60 Measures and integrals with values in general ordered systems
- 65 Measures on Boolean rings, measure algebras
- 70 Measure-preserving transformations, flows (dynamical systems), ergodic theory
- 75 Invariant measures, Haar measure (See also 22.20)
- 80 Length, area, volume; other geometric measure theory

30. FUNCTIONS OF A COMPLEX VARIABLE

- 01 General questions, foundations
- 02 Monogenic properties of complex functions (also polygenic and areolar monogenic functions)
- 09 Inequalities in the complex domain
- 10 Polynomials
- 11 Zeros of polynomials
- 20 Power series
- 21 Behavior on the boundary of convergence. Overconvergence
- 24 Dirichlet series
- 25 Continued fractions
- 28 Analytic continuation
- 30 Sequences and series of analytic functions; uniform convergence, normal families, normal functions
- 35 Integration; integral representations; Cauchy integral, Poisson and Poisson-Stieltjes integrals
- 36 Moment problems; interpolation problems
- 40 Conformal mapping, general theory
- 41 Capacity, harmonic measure
- 42 Univalent functions

- 43 Coefficient problems
 - 44 Multivalent functions
 - 45 Riemann surfaces, uniformization
 - 46 Algebraic functions, Abelian integrals
 - 47 Quasiconformal mapping
 - 49 Automorphic functions and modular functions
 - 50 Maximum principle. Schwarz's lemma, Phragmén-Lindelöf theorems
 - 52 External problems in the complex domain
 - 55 Entire functions, general theory
 - 56 Entire functions, representation by Dirichlet series
 - 57 Entire functions, growth estimates
 - 58 Entire functions, distribution of values
 - 60 Meromorphic functions, general theory
 - 61 Distribution of values, Picard-type theorems, Nevanlinna theory, defect (deficiency) theory
 - 62 Theory of cluster sets, prime ends, boundary behavior
 - 65 Bounded functions, positive real part, Blaschke products
 - 66 Bounded mean modulus, bounded characteristic
 - 67 H_p classes and other restrictions
 - 70 Approximation by polynomials and rational functions in the complex domain
 - 75 Boundary value problems, Dirichlet problem
 - 77 Special boundary value problems; Riemann-Hilbert problem. Inverse boundary problems
 - 79 Algebroid functions
 - 80 Topological function theory, functions topologically equivalent to analytic mappings
 - 81 Generalized analytic mappings. Pseudo-analytic functions of Bers, Vekua, etc.
 - 83 Functions of hypercomplex variables and generalized variables (See also 32.80)
 - 85 Spaces of analytic functions (See also 46.30)
 - 86 Kernel function and applications
 - 87 Algebras of analytic functions (See also 46.55)
31. POTENTIAL THEORY
- 10 Harmonic functions in the plane
 - 11 Harmonic functions, general
 - 15 Subharmonic, superharmonic functions
 - 20 Boundary value problems, Dirichlet problem
 - 21 Capacity and harmonic measure
 - 22 Generalized capacity and potential
 - 30 Biharmonic and polyharmonic functions and equations
 - 35 Poisson's equation
 - 50 Axiomatic potential theory
32. SEVERAL COMPLEX VARIABLES
- 02 Foundations, general questions
 - 05 Polynomials, entire functions
 - 10 Power series, formal theory
 - 15 Integral representations
 - 17 Inequalities
 - 20 Domains of holomorphy
 - 22 Pseudoconvexity
 - 25 Local properties of holomorphic functions
 - 27 Removable singularities
 - 32 Complex symmetric spaces
 - 35 Bergman kernel function
 - 40 Analytic manifolds
 - 44 Analytic varieties
 - 47 Analytic spaces
 - 49 Stein spaces
 - 50 Analytic sheaves and cohomology theory
 - 60 Holomorphic mappings
 - 65 Automorphic functions
 - 70 Approximation theorems
 - 80 Nonarchimedean function theory
33. SPECIAL FUNCTIONS
- 04 Number-theoretic functions, special sequences
 - 10 Exponential and trigonometric functions
 - 15 Gamma and beta functions
 - 17 Error function, probability integral
 - 19 Elliptic functions and integrals
 - 20 Hypergeometric functions, generalizations
 - 21 E -functions, G -functions
 - 25 Cylindrical functions; Bessel functions
 - 27 Spherical functions; Legendre polynomials and functions, spherical harmonics, ultraspherical polynomials
 - 28 Lamé, Mathieu, spheroidal wave functions
 - 30 Wave functions
 - 32 Gegenbauer functions
 - 40 Orthogonal special functions and polynomials (Čebyšev, Hermite, Jacobi, Laguerre, etc.) (See also 42.15)
 - 45 Other special functions
 - 50 Special functions and Lie groups
34. ORDINARY DIFFERENTIAL EQUATIONS
- 02 Solutions in closed form; integration by quadratures; reduction of differential equations
 - 04 General existence and uniqueness theorems; continuous dependence of solution on parameter, initial and boundary conditions
 - 06 Differential equations in the complex domain
 - 10 Analytical theory: series, transformations, transforms, operational calculus, etc.
 - 20 Linear equations and systems, general
 - 30 Boundary value problems for linear equations: spectral theory, asymptotic behavior of eigenfunctions, distribution of eigenvalues (See also 47.60)
 - 36 Nonlinear and multi-point boundary value problems
 - 40 Qualitative theory, general
 - 41 Limit cycles, singular points
 - 42 Zeros, growth, oscillation and comparison of solutions
 - 45 Nonlinear oscillations, periodic and almost periodic solutions, integral manifolds, averaging method
 - 50 Asymptotic expansions, asymptotic behavior of solutions, turning points
 - 51 Stability
 - 53 Perturbations
 - 54 Singular perturbations; small parameter with highest derivative
 - 60 Equations and systems with randomness (See 60.75 for stochastic differential equations)
 - 65 Dynamical systems, systems on manifolds
 - 70 Differential equations of infinite order
 - 75 Functional differential equations: differential-difference equations, equations with retarded argument
 - 85 Optimal control problems
 - 90 Differential inequalities
 - 95 Differential equations in Banach and other abstract spaces
35. PARTIAL DIFFERENTIAL EQUATIONS
- 01 Existence and uniqueness theorems, general
 - 02 Successive approximations
 - 03 Cauchy-Kowalewski theorems, series solutions
 - 04 Variational methods, a priori estimates
 - 05 Analytic methods; singularities
 - 06 Other special methods
 - 07 Dependence of solutions on initial and boundary data, parameters
 - 09 Geometric theory, characteristics, transformations
 - 10 Qualitative theory, general
 - 11 Comparison theorems; oscillation, zeros and growth of solutions
 - 12 Periodic solutions
 - 13 Perturbations
 - 14 Singular perturbations, almost periodic solutions
 - 15 Stability and control, boundedness
 - 16 Asymptotic behavior of solutions
 - 19 Differential inequalities; a priori estimates
 - 20 Generalized solutions

SUBJECT CLASSIFICATION

- 21 Embedding theorems, Sobolev spaces (See also 46.38)
 - 23 Pseudodifferential operators (See also 47.65)
 - 24 Regularity of generalized solutions
 - 30 Linear equations and systems, first order
 - 31 Linear equations and systems, higher order
 - 35 Nonlinear equations and systems, first order
 - 36 Nonlinear equations and systems, higher order
 - 37 Cauchy problems
 - 38 Discontinuous coefficients or data
 - 39 Equations and systems with constant coefficients
 - 42 Second order elliptic equations
 - 43 Higher order elliptic equations
 - 44 Elliptic systems (linear or nonlinear)
 - 45 Boundary value problems for elliptic equations
 - 46 Boundary value problems for elliptic systems
 - 47 Quasilinear elliptic equations and systems
 - 48 Hypoelliptic equations and systems
 - 52 Second order hyperbolic equations
 - 53 Hyperbolic systems, hyperbolic equations of higher order
 - 55 Boundary value problems for hyperbolic equations and systems
 - 57 Quasilinear hyperbolic equations and systems
 - 62 Second order parabolic equations
 - 63 Parabolic systems, parabolic equations of higher order
 - 65 Boundary value problems for parabolic equations and systems
 - 70 Equations and systems of mixed type (boundary value problems, etc.)
 - 75 Laplace's equation, reduced wave equation, Poisson's equation
 - 76 Wave equation
 - 77 Schrödinger equation
 - 78 Heat equation
 - 79 Other special equations and problems
 - 80 Eigenvalue problems, spectral theory, eigenfunction expansions (See also 47.65)
 - 88 Difference-partial differential equations; equations with time lag
 - 95 Operator equations, general (See also 34.95)
 - 96 Equations on manifolds
 - 97 Equations in function spaces
39. FINITE DIFFERENCES AND FUNCTIONAL EQUATIONS
- 10 Finite differences, general
 - 20 Difference equations (See also 65.70)
 - 30 Functional equations, general
 - 31 Classical functional equations
 - 33 Linear and multilinear functional equations
 - 35 Functional equations in several variables, systems
 - 37 Matrix functional equations
 - 38 Functional equations on abstract structures
40. SEQUENCES, SERIES, SUMMABILITY
- 10 Series and sequences of numbers, general
 - 11 Infinite products
 - 12 Continued fractions
 - 13 Convergence and divergence
 - 15 Multiple series and sequences
 - 20 Sequences and series of functions, convergence
 - 30 Summability, general methods
 - 31 Summability, matrix methods
 - 32 Cesàro summability
 - 33 Abel, Poisson summability
 - 35 Summability of double series
 - 40 Convergence and summability of integrals
 - 42 Tauberian theorems
 - 46 Functional-analytic methods in summability theory
 - 50 Summability in topological groups, linear spaces, etc.
41. APPROXIMATIONS AND EXPANSIONS
- 10 Interpolation
 - 15 Polynomial approximation (See also 30.70)
 - 17 Approximation by rational functions (See also 30.70)
 - 30 Approximation by other special function classes
 - 35 Approximation by operators (in particular, by integral operators)
 - 40 Best approximation
 - 41 Degree of approximation, rate of convergence
 - 44 Approximate quadratures
 - 50 Asymptotic expansions
 - 55 Constructive theory of functions
 - 60 Abstract approximation theory; approximation in normed linear spaces and other abstract spaces
42. FOURIER ANALYSIS
- 05 Trigonometric polynomials
 - 06 Best approximation by trigonometric polynomials
 - 08 Trigonometric interpolation
 - 10 Fourier coefficients
 - 11 Convergence of Fourier series
 - 12 Absolute convergence of Fourier series
 - 15 Orthogonal functions and polynomials, general (See also 33.40)
 - 16 Expansions in orthogonal functions and polynomials
 - 17 Completeness of sets of orthogonal functions
 - 18 Completeness, closure, spectral synthesis
 - 20 Summability of Fourier and generalized Fourier expansions
 - 25 Fourier transform
 - 26 Other Fourier-type transforms
 - 27 Trigonometric moment problems
 - 30 Almost periodic functions
 - 35 Positive definite functions
 - 40 Multiple Fourier series and integrals
 - 50 Abstract harmonic analysis (Fourier analysis on LCA groups) (See also 22.65)
 - 51 Characters, duality
 - 52 Fourier-Stieltjes transform
 - 54 Positive definite functions on LCA groups
 - 55 Convolution, factorization
 - 56 Measure algebras, group algebras (See also 46.80)
 - 58 Ideals, spectral synthesis
44. INTEGRAL TRANSFORMS, OPERATIONAL CALCULUS
- 10 Laplace transform
 - 25 Convolution
 - 28 General transforms
 - 30 Special transforms: Legendre, Hilbert, etc. (See also 45.33)
 - 32 Multiple transforms
 - 33 Transforms of special functions
 - 40 Operational calculus
 - 42 Operational calculus in several variables
 - 50 Fractional integrals (See also 26.43)
 - 60 Moment problems (See also 42.27)
45. INTEGRAL EQUATIONS
- 10 Linear integral equations, general (See also 47.70)
 - 11 Fredholm equations
 - 12 Eigenvalue problems
 - 13 Volterra equations
 - 15 Singular equations
 - 20 Systems of linear equations
 - 30 Nonlinear integral equations (See also 47.80)
 - 31 Singular nonlinear equations
 - 33 Miscellaneous special kernels (See also 44.30)
 - 40 Integro-differential equations, ordinary
 - 45 Integro-partial differential equations
46. FUNCTIONAL ANALYSIS
- 01 Topological linear spaces
 - 06 Ordered TLS; vector lattices
 - 10 Normed linear spaces, Banach spaces
 - 15 Inner product spaces, Hilbert spaces, spaces with an indefinite metric
 - 20 Other special spaces
 - 25 Spaces of continuous functions

- 30 Spaces of differentiable and analytic functions
- 35 Spaces of measurable functions; L^p spaces, Orlicz spaces
- 38 Sobolev spaces, embedding theorems, interpolation spaces (See also 35.21, 47.65)
- 40 Distributions, generalized functions
- 45 Derivatives and differentials in abstract spaces
- 50 Topological algebras, normed rings and algebras, Banach algebras: general theory
- 55 Commutative Banach algebras; function algebras
- 60 Rings and algebras with an involution, \ast -algebras: general theory
- 65 Rings and algebras of operators (with or without involution); C^\ast -algebras, von Neumann algebras
- 80 Group algebras, convolution algebras (See also 22.65, 42.56)
- 90 Miscellaneous applications of functional analysis
- 47. OPERATOR THEORY
 - 10 Single linear operators, general theory
 - 20 Operators in ordered spaces
 - 25 Operators in function spaces and other special spaces (See also 28.70)
 - 30 Spectral theory, functional calculus
 - 35 Reducibility, invariant subspaces
 - 40 Structure, classification, canonical forms
 - 45 Compact (completely continuous) operators
 - 48 Perturbation theory
 - 50 Semigroups and groups of operators
 - 55 Other systems of operators (See also 46.65)
 - 60 Ordinary differential operators (See also 34.30)
 - 65 Partial differential operators (See also 35.80)
 - 70 Integral and integro-differential operators
 - 80 Nonlinear operators, general theory
 - 85 Fixed-point theorems (See also 54.85)
 - 90 Miscellaneous applications
- 49. CALCULUS OF VARIATIONS, OPTIMAL CONTROL (See also 93.40)
- 50. GEOMETRY (See also 14.00)
 - 05 Foundations
 - 10 Euclidean
 - 14 Constructions
 - 20 Affine geometry, general
 - 25 Transformations
 - 30 Projective geometry, general
 - 35 Transformations
 - 38 Second-order loci
 - 40 Non-Euclidean geometry (i.e. hyperbolic or elliptic)
 - 48 Special geometries
 - 60 Finite geometries (See also 05.27)
 - 70 Projective planes
 - 90 Regular figures, divisions of space (See also 52.00)
- 52. CONVEX SETS AND GEOMETRIC INEQUALITIES
 - 10 Convex polyhedra
 - 25 Convex curves
 - 30 Convex regions
 - 34 Helly-type theorems
 - 40 Extremum problems and geometric inequalities
 - 45 Packing and covering (See also 50.90)
 - 50 Distance geometries
- 53. DIFFERENTIAL GEOMETRY
 - 01 Curves and surfaces in Euclidean spaces
 - 04 Minimal surfaces
 - 10 Affine differential geometry
 - 20 Projective differential geometry
 - 23 Differential line geometry
 - 25 Conformal differential geometry
 - 30 Non-Euclidean differential geometry
 - 32 Other special differential geometries
- 35 Vector and tensor analysis
- 38 Spinor analysis
- 40 Differentiable manifolds (general theory), e.g., definitions, jets, tangent bundles (See also 57.30)
- 42 Differential invariants (local theory), geometric objects
- 45 Differential calculus (global theory); forms, currents, integration, tensor fields, etc. (See also 57.50)
- 50 Connections, general
- 52 G -structures
- 55 Affine connections
- 60 Projective connections
- 66 Homogeneous manifolds (See also 22.70, 57.45)
- 70 Local Riemannian geometry
- 72 Riemannian manifolds
- 73 Symmetric spaces (See also 22.70, 57.45)
- 74 Submanifolds, isometric imbeddings (See also 57.20)
- 75 Global surface theory (convex surfaces)
- 78 Lorentz metrics and generalizations
- 80 Hermitian and Kählerian structures (See also 32.00, 57.60)
- 85 Finsler spaces and generalizations (areal metrics)
- 90 Integral geometry
- 95 Direct methods (G -spaces of Busemann), geometric orders
- 99 Other generalizations
- 54. GENERAL TOPOLOGY
 - 10 Axiomatics; generalizations of topological spaces, syntopogenous spaces
 - 20 Topological spaces, general
 - 22 Convergence notions
 - 23 Separation axioms, T_i -spaces
 - 25 General constructs (products, quotients, limits, etc.)
 - 28 Function spaces
 - 30 Uniform structures, proximity spaces
 - 35 Metric spaces, metrizability
 - 38 Moore spaces
 - 40 Countability conditions, separability, Lindelöf spaces
 - 50 Paracompact spaces
 - 52 Compactness, local compactness, generalizations
 - 53 Compactifications, other extensions
 - 55 Connectedness, continua
 - 56 Ordered topological spaces (See also 06.65)
 - 60 Mappings
 - 65 Set-valued mappings
 - 70 Dimension theory (See also 55.38)
 - 75 Topology of E_n , n -manifolds
 - 78 Topology of E_n , n -manifolds ($n > 2$)
 - 80 Transformation groups and semigroups (See also 22.40)
 - 82 Topological dynamics
 - 85 Fixed-point theorems, coincidence theorems, etc. (See also 47.85)
- 55. ALGEBRAIC TOPOLOGY
 - 10 Graphs, map-coloring (See also 05.40)
 - 20 Knots, links (See also 57.20)
 - 25 Cell-complexes, simplicial complexes
 - 30 Homology and cohomology theories; K -theory
 - 32 Sheaves
 - 34 Cohomology operations, Steenrod algebra
 - 36 Periodic transformations, fixed points, coincidences (Smith theory)
 - 38 Dimension theory (See also 54.70)
 - 40 Homotopy theory, general
 - 42 Algebra of mappings (including cohomotopy groups)
 - 45 Computation of homotopy groups
 - 50 Fiber spaces (See also 57.30)
 - 52 Spectral sequences
 - 60 Manifolds (See also 53.40, 54.78, 57.01)
 - 66 Generalized manifolds, local homology
 - 68 Homotopy manifolds
 - 70 Imbedding, immersion (See also 57.20)

SUBJECT CLASSIFICATION

57. TOPOLOGY AND GEOMETRY OF MANIFOLDS

- 01 Topological manifolds, combinatorial manifolds (See also 55.60)
- 05 Geometric topology
- 10 Differentiable structures, cobordism
- 20 Differentiable mappings, imbeddings, immersions, diffeomorphisms (See also 53.74, 55.70)
- 30 Fiber bundles, vector bundles (See also 53.40, 55.50)
- 31 Topology of differentiable manifolds (See also 54.78)
- 32 Characteristic classes
- 34 Topology of vector and tensor fields
- 36 Foliations (See also 34.65)
- 40 Topology of Lie groups
- 45 Topology of homogeneous spaces (See also 22.70, 53.66, 53.73)
- 47 Transformation groups (See also 22.40, 54.80)
- 50 Analysis on differentiable manifolds (See also 53.72)
- 55 Infinite-dimensional manifolds
- 60 Complex manifolds (See also 32.00, 53.80)
- 70 Infinite Lie groups, deformations

60. PROBABILITY

- 02 Axioms, foundations
- 05 Probabilistic measure theory
- 08 Probability in topological groups, other structures
- 10 Combinatorial probability
- 15 Geometric probability
- 20 Distributions, characteristic functions
- 30 Limit theorems
- 40 Stochastic processes, general theory
- 50 Stationary processes
- 60 Markov processes, general
- 62 Hunt processes, diffusion processes, Brownian motion, probabilistic potential theory
- 65 Markov chains
- 66 Random walks
- 67 Branching processes; Galton-Watson, birth-and-death processes
- 69 Other special processes
- 70 Renewal theory
- 75 Stochastic differential and integral equations
- 80 Queuing, congestion, allocation, storage
- 90 Other applications

62. STATISTICS

- 05 Foundations: axiomatics, sufficiency, invariance, other general considerations
- 10 Distribution theory
- 15 Asymptotic theory
- 16 Exact and asymptotic efficiency
- 20 Estimation: parametric case
- 25 Hypothesis testing: parametric case
- 30 Decision theory
- 31 Ranking and selection
- 35 Bayesian inference
- 40 Multivariate analysis
- 41 Classification and discrimination
- 45 Sequential methods
- 50 Information-theoretic methods
- 55 Linear statistical inference, regression analysis
- 56 Analysis of variance; hierarchical models
- 60 Design and analysis of experiments, general
- 61 Construction of designs (See also 05.20)
- 62 Optimal designs
- 63 Factorial designs
- 64 Paired and multiple comparisons
- 70 Non-parametric methods
- 71 Goodness-of-fit tests
- 75 Order statistics
- 80 Engineering statistics; life testing and reliability, quality control
- 85 Statistical analysis of stochastic processes; time series

- 90 Sample surveys
- 95 Count data, contingency tables
- 97 Biometrics
- 99 Other applications

65. NUMERICAL METHODS

- 05 Tables, construction of tables
- 10 General mathematical methods; iteration, acceleration of convergence, numerical experiments
- 15 Monte Carlo methods
- 20 Interpolation, smoothing, least squares, curve fitting, approximation of functions
- 25 Computation of special functions, series, integrals
- 30 Mathematical programming and optimization techniques
- 33 Linear inequalities
- 35 Linear equations, determinants, matrices
- 40 Eigenvalues, eigenvectors
- 50 Solution of algebraic and transcendental equations and systems
- 55 Numerical differentiation and integration, quadrature, cubature, etc.
- 60 Ordinary differential equations, general
- 61 Initial value problems
- 62 Boundary value problems
- 65 Partial differential equations, general
- 66 Elliptic equations
- 67 Hyperbolic equations
- 68 Parabolic equations
- 70 Difference and functional equations
- 75 Integral and integro-differential equations
- 80 Error analysis
- 82 Miscellaneous inequalities
- 85 Graphical methods
- 90 Harmonic analysis and synthesis

68. COMPUTING MACHINES

69. GENERAL APPLIED MATHEMATICS

70. MECHANICS OF PARTICLES AND SYSTEMS

- 34 Ordinary differential equations
- 35 Partial differential equations
- 45 Integral and integro-differential equations
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

73. ELASTICITY, PLASTICITY

- 34 Ordinary differential equations
- 35 Partial differential equations
- 44 Integral transforms
- 45 Integral and integro-differential equations
- 46 Functional analysis
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

76. FLUID MECHANICS, ACOUSTICS

- 34 Ordinary differential equations
- 35 Partial differential equations
- 41 Approximations and expansions
- 44 Integral transforms
- 45 Integral and integro-differential equations
- 46 Functional analysis
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

78. OPTICS, ELECTROMAGNETIC THEORY

- 31 Potential theory
- 34 Ordinary differential equations
- 35 Partial differential equations

SUBJECT CLASSIFICATION

- 45 Integral and integro-differential equations
- 65 Numerical methods
80. CLASSICAL THERMODYNAMICS, HEAT TRANSFER
 - 31 Potential theory
 - 35 Partial differential equations
81. QUANTUM MECHANICS
 - 06 Order, lattices
 - 22 Lie groups and algebras, representations
 - 30 Functions of a complex variable
 - 31 Potential theory
 - 32 Several complex variables
 - 34 Ordinary differential equations
 - 35 Partial differential equations
 - 45 Integral and integro-differential equations
 - 46 Functional analysis; C^* -algebras
 - 47 Operator theory
 - 60 Probability
 - 62 Statistics
82. STATISTICAL PHYSICS, STRUCTURE OF MATTER
 - 20 Group theory
 - 45 Integral and integro-differential equations
 - 62 Statistics
83. RELATIVITY
 - 35 Partial differential equations
 - 53 Differential geometry
85. ASTRONOMY AND ASTROPHYSICS
86. GEOPHYSICS
90. ECONOMICS, OPERATIONS RESEARCH, PROGRAMMING, GAMES
 - 10 Economics
 - 30 Operations research
- 40 Multi-stage decision processes, dynamic programming (general)
- 50 Linear programming
- 56 Integer programming
- 57 Stochastic programming
- 58 Nonlinear programming, general
- 59 Quadratic programming
- 60 Convex programming
- 70 Game theory
- 72 Stochastic games
- 75 Differential and continuous games (See also 93.40)
92. BIOLOGY AND BEHAVIORAL SCIENCES
 - 10 Biology
 - 20 Genetics
 - 30 Population dynamics, epidemiology
 - 40 Sociology
 - 50 Psychology
93. SYSTEMS, CONTROL
 - 10 Systems, general
 - 20 Stability, qualitative behavior
 - 40 Optimal control (See also 34.85, 35.15, 49.00, 90.00)
 - 60 Stochastic control
 - 70 Adaptive control
94. INFORMATION AND COMMUNICATION, CIRCUITS, AUTOMATA
 - 10 Communication theory
 - 20 Information theory
 - 30 Circuits, networks; applications of graph theory, Boolean algebra
 - 40 Automata, general (See also 02.88)
 - 45 Probabilistic automata
 - 50 Linguistics, formal languages

ABBREVIATIONS OF NAMES OF JOURNALS

This list gives the form of references used in MATHEMATICAL REVIEWS and the complete title; the place of publication and other pertinent information are given in parentheses when desirable for clarity. An asterisk indicates that the journal has not previously been listed.

- Abh. Akad. Wiss. Göttingen Math.-Phys. Kl.* Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse. (Göttingen)
- Abh. Braunschweig. Wiss. Gesellsch.* Abhandlungen der Braunschweigischen Wissenschaftlichen Gesellschaft. (Braunschweig)
- Abh. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- Abh. Math. Sem. Univ. Hamburg.* Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg. (Hamburg)
- Abh. Sächs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse. (Leipzig)
- Ablauf- und Planungsforschung.* Ablauf- und Planungsforschung. Organ des AKOR-der Gesellschaft für Operations Research in Wirtschaft und Verwaltung. (Munich)
- Abstracts Bulgarian Sci. Lit. Math. Phys. Astronom. Geophys. Geodes.* Bulgarian Academy of Sciences. Centre of Scientific Information and Documentation. Abstracts of Bulgarian Scientific Literature. Mathematics, Physics, Astronomy, Geophysics, Geodesy. (Sofia)
- Acad. Roy. Belg. Bull. Cl. Sci.* Académie Royale de Belgique. Bulletin de la Classe des Sciences. Koninklijke Belgische Academie. Mededelingen van de Klasse der Wetenschappen. (Brussels)
- Acad. Roy. Belg. Cl. Sci. Mém. Coll. in-8°.* Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-8°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Verzameling in-8°. (Brussels)
- Acad. Serbe Sci. Arts Glas.* Académie Serbe des Sciences et des Arts. Glas. Classe des Sciences Mathématiques et Naturelles. Nouvelle Série. (Belgrade)
- Accad. Naz. Sci. Lett. Arti Modena Atti Mem.* Accademia Nazionale di Scienze Lettere e Arti. Modena. Atti e Memorie. (Modena)
- Acta Acad. Åbo. Ser. B.* Acta Academiae Åboensis, Ser. B. Mathematica et Physica. Matematik-Naturvetenskap-Teknik. (Åbo = Turku)
- Acta Acust. Sinica.* Acta Acustica Sinica. (Peking)
- Acta Arith.* Polska Akademia Nauk. Instytut Matematyczny. Acta Arithmetica. (Warsaw)
- Acta Astronom. Sinica.* Acta Astronomica Sinica. (Peking)
- Acta Ci. Compostelana.* Acta Científica Compostelana. (Santiago de Compostela)
- Acta Ci. Venezolana.* Acta Científica Venezolana. Asociación Venezolana para el Avance de la Ciencia. (Caracas)
- Acta Cybernet.* Acta Cybernetica. (Szeged)
- Acta Fac. Rerum Natur. Univ. Comenian.* Acta Facultatis Rerum Naturalium Universitatis Comenianae. Mathematica. (Bratislava)
- **Acta Informat.* Acta Informatica. (Berlin)
- Acta Math.* Acta Mathematica. (Uppsala)
- Acta Math. Acad. Sci. Hungar.* Acta Mathematica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Math. Sinica.* Acta Mathematica Sinica. (Peking) (Translated as: Chinese Math.—Acta)
- Acta Mech.* Acta Mechanica. (Vienna)
- Acta Mech. Sinica (New York).* Acta Mechanica Sinica. (New York) (Translation of *Acta Mech. Sinica (Peking)*)
- Acta Mech. Sinica (Peking).* Acta Mechanica Sinica. (Peking) (Translated as: *Acta Mech. Sinica (New York)*)
- Acta Mexicana Ci. Tecn.* Instituto Politécnico Nacional. Acta Mexicana de Ciencia y Tecnología. (Mexico City)
- Acta Philos. Fenn.* Acta Philosophica Fennica. (Helsinki)
- Acta Phys. Acad. Sci. Hungar.* Acta Physica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Phys. Austriaca.* Acta Physica Austriaca. (Vienna)
- Acta Phys. Polon. A.* Polska Akademia Nauk. Instytut Fizyki. Acta Physica Polonica A. (Warsaw)
- Acta Phys. Polon. B.* Polska Akademia Nauk. Instytut Fizyki. Acta Physica Polonica B. (Warsaw)
- Acta Phys. Sinica.* Acta Physica Sinica. (Peking) (Translated as: Chinese J. Phys. (Peking))
- Acta Polytech. Scand. Math. and Comput. Mach. Ser.* Acta Polytechnica Scandinavica. Mathematics and Computing Machinery Series. (Stockholm)
- Acta Sci. Math. (Szeged).* Acta Universitatis Szegediensis. Acta Scientiarum Mathematicarum. (Szeged)
- Acta Sci. Natur. Univ. Pekinensis.* Acta Scientiarum Naturalium Universitatis Pekinensis. (Peking)
- Acta Sci. Vietnam.* Acta Scientiarum Vietnamicarum. Sectio Scientiarum Mathematicarum et Physicarum. (Hanoi)
- Acta Tech. Acad. Sci. Hungar.* Acta Technica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Tech. ČSAV.* Acta Technica. Československá Akademie Véd. (Prague)
- **Acta Univ. Carolinae—Math. et Phys.* Acta Universitatis Carolinae. Mathematica et Physica. (Prague)
- Acta Univ. Tamper. Ser. A.* Acta Universitatis Tampereensis. Series A. (Helsinki)
- Acta Univ. Wratislav.* Acta Universitatis Wratislaviensis. (Wrocław)
- Actualités Sci. Indust.* Actualités Scientifiques et Industrielles. (Paris)
- Advances in Appl. Probability.* Advances in Applied Probability. (Sheffield)
- Advances in Math.* Advances in Mathematics. (New York)
- Aequationes Math.* Aequationes Mathematicae. (Basel-Waterloo)
- **AEÜ—Arch. Elek. Übertragungstech. Electron. Commun.* AEÜ. Archiv für Elektronik und Übertragungstechnik. Electronics and Communication. (Stuttgart) (Formerly: Arch. Elek. Übertr.)
- AIAA J.* AIAA Journal. American Institute of Aeronautics and Astronautics. (Easton, Pa.)
- Akad. Nauk Armjan. SSR Dokl.* Akademija Nauk Armjanskoi SSR. Doklady. (Erevan)
- Akad. Nauk Azerbaidžan. SSR Dokl.* Akademija Nauk Azerbaidžanskoi SSR. Doklady. (Baku)
- Akad. Nauk Azerbaidžan. SSR Trudy Inst. Mat. Meh.* Akademija Nauk Azerbaidžanskoi SSR. Trudy Instituta Matematiki i Mexaniki. (Baku)

ABBREVIATIONS OF NAMES OF JOURNALS

Akad. Nauk Gruzin. SSR Trudy Tbiliss. Mat. Inst. Razmadze. Akademiya Nauk Gruzinskoi SSR. Trudy Tbilisskogo Matematicheskogo Instituta im. A. M. Razmadze. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Math. Inst. Srom.*

Akad. Nauk Kazah. SSR Trudy Astrofiz. Inst. Akademiya Nauk Kazakhskoi SSR. Trudy Astrofizicheskogo Instituta. (Alma-Ata)

**Akad. Nauk Kazah. SSR Trudy Inst. Mat. i Meh.* Akademiya Nauk Kazakhskoi SSR. Trudy Instituta Matematiki i Mehaniki. (Alma-Ata) (Formerly: *Akad. Nauk Kazah. SSR Trudy Sek. Mat. Meh.*)

Akad. Nauk Kazah. SSR Trudy Sek. Mat. Meh. Akademiya Nauk Kazakhskoi SSR. Trudy Sektora Matematiki i Mehaniki. (Alma-Ata) (Continued as: *Akad. Nauk Kazah. SSR Trudy Inst. Mat. i Meh.*)

Akad. Nauk SSSR Sibirsk. Otdel. Inst. Avtomat. Elektrometr. Trudy. Akademiya Nauk SSSR. Sibirskoe Otdelenie. Institut Avtomatiki i Elektrometrii. Trudy. (Novosibirsk)

Akad. Nauk SSSR Trudy Yakutsk. Filial. Ser. Fiz. Akademiya Nauk SSSR. Trudy Yakutskogo Filiala. Seriya fizičeskaja. (Moscow)

Akad. Nauk Uzbek. SSR Trudy Inst. Mat. Akademiya Nauk Uzbekskoi SSR. Trudy Instituta Matematiki im. V. I. Romanovskogo. (Tashkent)

**Akad. Nauka i Umjet. Bosne i Hercegov. Rad. Odjelj. Prirod. Mat. Nauka.* Akademiya Nauka i Umjetnosti Bosne i Hercegovine. Radovi. Odjeljenje Prirodnih i Matematičkih Nauka. (Sarajevo)

Akad. Nauka i Umjet. Bosne i Hercegov. Rad. Odjelj. Tehn. Nauka. Akademiya Nauka i Umjetnosti Bosne i Hercegovine. Radovi. Odjeljenje Tehničkih Nauka. (Sarajevo)

Akad. Wiss. Lit. Mainz Abh. Math.-Natur. Kl. Akademie der Wissenschaften und der Literatur in Mainz. Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse. (Wiesbaden)

Akust. Ž. Akademiya Nauk SSSR. Akustičeskij Žurnal. (Moscow) (Translated as: *Soviet Physics Acoust.*)

Algebra and Logic. Algebra and Logic. (New York) (Translation of *Algebra i Logika*)

Algebra i Logika. Akademiya Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Algebra i Logika. (Novosibirsk) (Translated as: *Algebra and Logic*)

**Algebra Universalis.* Algebra Universalis. (Basel)

Algoritmy i Algoritm. Jazyki. Vytislitel'nyi Centr Akademii Nauk SSSR. Algoritmy i Algoritmicheskie Jazyki. (Moscow)

Algorytmy. Algorytmy. Prace Instytutu Maszyn Matematycznych Polskiej Akademii Nauk. (Warsaw)

Allgemein. Statist. Arch. Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (Munich)

Amer. J. Math. American Journal of Mathematics. (Baltimore, Md.)

Amer. J. Phys. American Journal of Physics. (New York)

Amer. Math. Monthly. The American Mathematical Monthly. (Buffalo, N.Y.)

Amer. Math. Soc. Transl. American Mathematical Society Translations. (Providence, R.I.)

Amer. Statist. The American Statistician. (Washington, D.C.)

AMR. Applied Mechanics Reviews. (New York)

An. Acad. Brasil. Ci. Anais da Academia Brasileira de Ciencias. (Rio de Janeiro)

An. Fac. Ci. Univ. Porto. Anais da Faculdade de Ciências. Universidade do Porto. (Porto, Portugal)

An. Inst. Mat. Univ. Nac. Autónoma México. Anales del Instituto de Matemáticas. Universidad Nacional Autónoma de México. (Mexico City)

An. Ști. Univ. "Al. I. Cuza" Iași Sec. I a Mat. Analele Științifice ale Universității "Al. I. Cuza" din Iași. (Seria Nouă). Secțiunea I a Matematică. (Iași)

An. Univ. București Acta Logica. Analele Universității București. Acta Logica. (Bucharest)

An. Univ. București Fiz. Analele Universității București. Fizică. (Bucharest)

An. Univ. București Mat.-Mec. Analele Universității București. Matematică-Mecanică. (Bucharest)

An. Univ. Timișoara Ser. Ști. Fiz.-Chim. Analele Universității din Timișoara. Seria Științe Fizico-Chimice. (Timișoara)

An. Univ. Timișoara Ser. Ști. Mat. Analele Universității din Timișoara. Seria Științe Matematice. (Timișoara)

Ann. Acad. Sci. Fenn. Ser. A I. Suomalaisen Tiedeakatemia Toimituksia. Sarja A. Annales Academiæ Scientiarum Fennicæ. Series A. I. Mathematica. (Helsinki)

Ann. Acad. Sci. Fenn. Ser. A VI. Suomalaisen Tiedeakatemia Toimituksia. Sarja A. Annales Academiæ Scientiarum Fennicæ. Series A. VI. Physica. (Helsinki)

Ann. École Nat. Sup. Méc. Nantes. Annales École Nationale Supérieure de Mécanique. (Nantes)

Ann. Fac. Sci. Univ. Clermont-Ferrand. Annales de la Faculté des Sciences de l'Université de Clermont-Ferrand. (Clermont-Ferrand)

Ann. Fac. Sci. Univ. Toulouse. Annales de la Faculté des Sciences de l'Université de Toulouse pour les Sciences Mathématiques et les Sciences Physiques. (Toulouse)

Ann. Human Genetics. Annals of Human Genetics. (London)

Ann. I.N.S.E.E. Ministère de l'Économie et des Finances. Institut National de la Statistique et des Études Économiques. Annales de l'I.N.S.E.E. (Paris)

Ann. Inst. Fourier (Grenoble). Université de Grenoble. Annales de l'Institut Fourier. (Grenoble)

Ann. Inst. H. Poincaré Sect. A. Annales de l'Institut Henri Poincaré. Section A: Physique théorique. (Paris)

Ann. Inst. H. Poincaré Sect. B. Annales de l'Institut Henri Poincaré. Section B: Calcul des probabilités et statistique. (Paris)

Ann. Inst. Statist. Math. Annals of the Institute of Statistical Mathematics. (Tokyo)

Ann. Japan Assoc. Philos. Sci. Annals of the Japan Association for Philosophy of Science. (Tokyo)

Ann. Mat. Pura Appl. Annali di Matematica Pura ed Applicata. (Bologna)

Ann. Math. Logic. Annals of Mathematical Logic. (Amsterdam)

Ann. Math. Statist. The Annals of Mathematical Statistics. (Baltimore, Md.)

Ann. of Math. Annals of Mathematics. (Princeton, N.J.)

Ann. of Sci. Annals of Science. (London)

Ann. Physics. Annals of Physics. (New York)

Ann. Physik. Annalen der Physik. (Leipzig)

Ann. Polon. Math. Polska Akademia Nauk. Annales Polonici Mathematici. (Warsaw)

Ann. Sci. École Norm. Sup. Annales Scientifiques de l'École Normale Supérieure. (Paris)

Ann. Sci. Univ. Besançon Math. Annales Scientifiques de l'Université de Besançon. Mathématiques. (Besançon)

Ann. Sci. Univ. Besançon Méc. Phys. Théor. Annales Scientifiques de l'Université de Besançon. Mécanique et Physique Théorique. (Besançon)

Ann. Scuola Norm. Sup. Pisa. Annali della Scuola Normale Superiore di Pisa. Scienze Fisiche e Matematiche. (Pisa)

ABBREVIATIONS OF NAMES OF JOURNALS

- Ann. Soc. Sci. Bruxelles Sér. I.* Annales de la Société Scientifique de Bruxelles. Série I. Sciences Mathématiques, Astronomiques et Physiques. (Brussels)
- Ann. Télécommun.* Annales des Télécommunications. (Paris)
- Ann. Univ. Ferrara Sez. VII.* Annali dell'Università di Ferrara. (Nuovo Serie). Sezione VII. Scienze Matematiche. (Ferrara)
- Ann. Univ. Mariae Curie-Skłodowska Sect. A.* Annales Universitatis Mariae Curie-Skłodowska. Section A. Mathematica. (Lublin)
- Ann. Univ. Sarav. Math.-Natur. Fak.* Annales Universitatis Saraviansia. Mathematisch-Naturwissenschaftliche Fakultät. (Berlin)
- Ann. Univ. Sci. Budapest. Eötvös Sect. Math.* Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae. Sectio Mathematica. (Budapest)
- Ann. Univ. Turku. Ser. A I.* Annales Universitatis Turkuensis. Series A. I. Astronomica-Chemica-Physica-Mathematica. (Turku)
- Annuaire Univ. Sofia Fac. Math.* Godišnik na Sofijskija Universitet Matematičeski Fakultet. Annuaire de l'Université de Sofia. Faculté de Mathématiques. (Sofia)
- Annuaire Univ. Sofia Fac. Phys.* Godišnik na Sofijskija Universitet Fizičeski Fakultet. Annuaire de l'Université de Sofia. Faculté de Physique. (Sofia)
- Annual Rep. Fac. Ed. Univ. Iwate.* Annual Report of the Faculty of Education, University of Iwate. (Kakuzanwaki)
- Appl. Mat.* Československá Akademie Věd. Aplikace Matematiky. (Prague)
- Appl. Mech. Rev.* Applied Mechanics Reviews. (New York) (Sometimes abbreviated as *AMR* in the text of *Math. Reviews*)
- Appl. Sci. Res.* Applied Scientific Research. (The Hague)
- Applicable Anal.* Applicable Analysis. An International Journal. (New York)
- Årbok Univ. Bergen Mat.-Natur. Ser.* Årbok for Universitetet i Bergen. Mat.-Naturv. Serie. (Bergen)
- Arch. Automat. i Telemech.* Instytut Automatyki Polakiej Akademii Nauk. Archivum Automatyki i Telemechaniki. (Warsaw)
- Arch. Elek. Übertr.* Archiv der elektrischen Übertragung. (Stuttgart) (Continued as: *AEÜ—Arch. Elek. Übertragungstechn. Electron. Commun.*)
- Arch. History Exact Sci.* Archive for History of Exact Sciences. (Berlin)
- Arch. Internat. Histoire Sci.* Archives Internationales d'Histoire des Sciences. (Paris)
- Arch. Math. (Basel).* Archiv der Mathematik. Archives of Mathematics. Archives Mathématiques. (Basel-Stuttgart)
- Arch. Math. (Brno).* Spisy Přírodovědecké Fakulty University J. E. Purkyně v Brně. Archivum Mathematicum. (Brno)
- Arch. Math. Logik Grundlagenforsch.* Archiv für mathematische Logik und Grundlagenforschung. (Stuttgart)
- Arch. Mech. (Arch. Mech. Stos.)* Institute of Fundamental Technical Research. Polish Academy of Sciences. Archives of Mechanics (Archivum Mechaniki Stosowanej). (Warsaw) (Formerly: *Arch. Mech. Stos.*)
- Arch. Mech. Stos.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Archivum Mechaniki Stosowanej. (Warsaw) (Continued as: *Arch. Mech. (Arch. Mech. Stos.)*)
- Arch. Rational Mech. Anal.* Archive for Rational Mechanics and Analysis. (Berlin)
- Archimede.* Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate. (Florence)
- Ark. Astronom.* Arkiv för Astronomi. (Stockholm)
- Ark. Fys.* Arkiv för Fysik. (Stockholm)
- Ark. Mat.* Arkiv för Matematik. (Stockholm)
- Archimedes.* Arkhimedes. Suomen Fysiikkoseura—Finlands Fysikerförening r.y. Suomen Matemaattinen Yhdistys—Finlands Matematiska Förening r.y. (Helsinki)
- Armjan. Gos. Ped. Inst. Sb. Naučn. Trud. Ser. Fiz.-Mat.* Armjanskij Gosudarstvennyj Pedagogičeskij Institut imeni H. Abovjan. Sbornik Naučnyh Trudov. Serija Fiziko-Matematičeskaja. (Erevan)
- Arquivo Inst. Gulbenkian Ci. A Estud. Mat. Fis.-Mat.* Arquivo do Instituto Gulbenkian de Ciência. A. Estudos Matemáticos e Físico-Matemáticos. (Lisbon)
- Artificial Intelligence.* Artificial Intelligence. An International Journal. (Amsterdam)
- Assoc. Roy. Actuaire. Belges Bull.* Association Royale des Actuaire Belges. Bulletin. (Brussels)
- *Astin Bull.* The Astin Bulletin. Publication of the Astin Section of the Permanent Committee for International Actuarial Congresses. (Amsterdam)
- Astrofizika.* Akademija Nauk Armjanskoi SSR. Astrofizika. (Erevan) (Translated as: *Astrophysics*)
- Astronaut. Acta.* Astronautica Acta. (Vienna)
- Astronom. and Astrophys.* Astronomy and Astrophysics. (Berlin)
- Astronom. J.* The Astronomical Journal. (New Haven, Conn.)
- Astronom. Jber.* Astronomischer Jahresbericht. (Berlin)
- Astronom. Nachr.* Astronomische Nachrichten. (Berlin)
- Astronom. Ž.* Akademija Nauk SSSR. Astronomičeskij Žurnal. (Moscow) (Translated as: *Soviet Astronom. AJ*)
- Astrophys. J.* The Astrophysical Journal. (Chicago, Ill.)
- Astrophysics.* Astrophysics. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Atti Accad. Gioenia Sci. Natur. Catania.* Atti della Accademia Gioenia di Scienze Naturali in Catania. (Catania)
- Atti Accad. Ligure Sci. Lett.* Atti della Accademia Ligure di Scienze e Lettere. (Genoa)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Natur. Sez. I.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sezione I^a. (Matematica, Meccanica, Astronomia, Geodesia e Geofisica). (Rome)
- Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur.* Atti della Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. (Rome)
- Atti Accad. Sci. Fis. Mat. Napoli.* Atti dell'Accademia delle Scienze Fisiche e Matematiche di Napoli. (Naples)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Rendiconti. (Bologna)
- Atti Accad. Sci. Lett. Arti Palermo Parte I.* Atti della Accademia di Scienze Lettere e Arti di Palermo. Parte Prima: Scienze. (Palermo)
- Atti Accad. Sci. Torino Cl. Sci. Fis. Mat. Natur.* Atti della Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Atti Fond. Giorgio Ronchi Contrib. Ist. Naz. Ottica.* Atti della Fondazione Giorgio Ronchi e Contributi dell'Istituto Nazionale di Ottica. (Florence)
- Atti Sem. Mat. Fis. Univ. Modena.* Atti del Seminario Matematico e Fisico dell'Università di Modena. (Modena)
- Atti Soc. Peloritana Sci. Fis. Mat. Natur.* Atti della Società Peloritana di Scienze Fisiche Matematiche e Naturali. (Messina)
- Austral. Comput. J.* The Australian Computer Society. The Australian Computer Journal. (Chippendale)

ABBREVIATIONS OF NAMES OF JOURNALS

- Austral. J. Phys.* Australian Journal of Physics. (Melbourne)
- Austral. J. Sci.* The Australian Journal of Science. (Sydney)
- Austral. J. Statist.* The Australian Journal of Statistics. (Sydney)
- Automat. Control.* Automatic Control. (A translation of *Avtomatika i Vychislitel'naja Tehnika*). (New York) (Translation of *Avtomat. i Vychisl. Tehn.*)
- Automat. Remote Control.* Automation and Remote Control. (A translation of *Avtomatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Avtomat. i Telemekh.*)
- Automatica—J. IFAC.* Automatica. The Journal of IFAC the International Federation of Automatic Control. (Oxford)
- Avtomat. i Telemekh.* Akademija Nauk Sojuz SSR. *Avtomatika i Telemekhanika*. (Moscow) (Translated as: *Automat. Remote Control*)
- Avtomat. i Vychisl. Tehn.* Akademija Nauk Latvskoi SSR *Avtomatika i Vychislitel'naja Tehnika*. (Riga) (Translated as: *Automat. Control*)
- Avtomatika.* Akademija Nauk Ukrain'skoi SSR. Institut Elektrotehniki. *Avtomatika*. (Kiev) (Translated as: *Soviet Automat. Control*)
- Azerbaidžan. Gos. Univ. Učen. Zap. Ser. Fiz.-Mat. Nauk.* Azerbaidžanskii Gosudarstvennyi Universitet im. S. M. Kirova. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Baku)
- Balašov. Gos. Ped. Inst. Učen. Zap.* Balašovskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Balašov)
- Bangabasi College Mag.* Bangabasi College Magazine. (Calcutta)
- Bangabasi Morning College Mag.* Bangabasi Morning College Magazine. (Calcutta)
- * *Barnaul. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščenija RSFSR. Barnaul'skii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Barnaul)
- Baškir. Gos. Univ. Učen. Zap.* Baškirskii Gosudarstvennyi Universitet. Učenyje Zapiski. (Ufa)
- Bayer. Akad. Wiss. Math.-Natur. Kl. Abh.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen. (Munich)
- Bayer. Akad. Wiss. Math.-Natur. Kl. S.-B.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. (Munich)
- Beijing Daxue Xuebao Ziran Kexue.* See *Acta Sci. Natur. Univ. Pekinensis*.
- Bell J. Econom. and Management Sci.* The Bell Journal of Economics and Management Science. (New York)
- Bell System Tech. J.* The Bell System Technical Journal. (New York)
- Biometrics.* Biometrics. Journal of the Biometric Society. (Blackburg, Va.)
- Biometrika.* Biometrika. (London)
- * *Biometrische Z.* Biometrische Zeitschrift. (Berlin)
- BIT = Nordisk Tidskr. Informationsbehandling (BIT).*
- Biul. Lubel. Towarz. Nauk. Wydział II Mat. Fiz. Chem.* Biuletyn Lubelskiego Towarzystwa Naukowego. Wydział II. Matematyka. Fizyka. Chemia. (Lublin)
- Biul. Wojsk. Akad. Tech.* Biuletyn Wojskowej Akademii Technicznej im. Jarosława Dąbrowskiego. (Warsaw)
- Bjull. Inst. Teoret. Astronom.* Akademija Nauk Sojuz Sovetskikh Socialističeskikh Respublik. Bjulleten' Instituta Teoretičeskoi Astro-nomii. (Moscow)
- B'lgar. Akad. Nauk. Otdel. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.* B'lgarska Akademija na Naukite. Otdelenie za Matematičeski i Fizičeski Nauki. Izvestija na Fizičeskija Institut s Aneb. (Sofia)
- B'lgar. Akad. Nauk. Otdel. Mat. Fiz. Nauk. Izv. Mat. Inst.* B'lgarska Akademija na Naukite. Otdelenie za Matematičeski i Fizičeski Nauki. Izvestija na Matematičeskija Institut. (Sofia)
- B'lgar. Akad. Nauk. Otdel. Tehn. Nauk. Izv. Inst. Tehn. Kibernet.* B'lgarska Akademija na Naukite. Otdelenie za Tehničeski Nauki. Izvestija na Instituta po Tehničeska Kibernetika. (Sofia)
- Bol. Fac. Ingen. Agrimens. Montevideo.* Boletín de la Facultad de Ingenierian y Agrimensura de Montevideo. (Montevideo)
- Bol. Mat.* Boletín de Matemáticas. (Bogotá)
- Bol. Soc. Mat. Mexicana.* Boletín de la Sociedad Matemática Mexicana. (Mexico City)
- Bol. Soc. Mat. São Paulo.* Boletim da Sociedade de Matemática de São Paulo. (São Paulo)
- Bol. Univ. Paraná Inst. Fis.* Boletim da Universidade do Paraná. Conselho de Pesquisas. Instituto de Física. (Paraná)
- Boll. Un. Mat. Ital.* Bollettino della Unione Matematica Italiana. (Bologna)
- Bonn. Math. Schr.* Bonner Mathematische Schriften. (Bonn)
- British J. Hist. Sci.* British Society for the History of Science. British Journal for the History of Science. (London)
- British J. Math. Statist. Psychology.* The British Journal of Mathematical and Statistical Psychology. (London)
- British J. Philos. Sci.* The British Journal for the Philosophy of Science. (Edinburgh)
- Buharsk. Gos. Ped. Inst. Učen. Zap. Ser. Fiz.-Mat. Nauk.* Buharskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Bukhara)
- Bul. Akad. Štince RSS Moldoven.* Akademija Nauk Moldavskoi SSR. Izvestija Akademii Nauk Moldavskoi SSR. Buletinul Akademiei de Štince a RSS Moldovenești. (Kishinev)
- Bul. Inst. Politehn. Braşov Ser. A Mec.* Buletinul Institutului Politehnic din Braşov. Seria A. Mecanică. (Braşov)
- Bul. Inst. Politehn. Bucureşti.* Buletinul Institutului Politehnic Bucureşti. (Bucharest)
- Bul. Inst. Politehn. Iaşi.* Buletinul Institutului Politehnic din Iaşi. Serie Nouă. (Iaşi)
- Bul. Şti. Inst. Politehn. Cluj.* Buletinul Ştiinţific al Institutului Politehnic din Cluj. (Cluj)
- Bul. Şti. Tehn. Inst. Politehn. Timişoara.* Buletinul Ştiinţific şi Tehnic al Institutului Politehnic Timişoara. Serie Nouă. (Timişoara)
- Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys.* Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Mathématiques, Astronomiques et Physiques. (Warsaw)
- Bull. Acad. Polon. Sci. Sér. Sci. Tech.* Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Techniques. (Warsaw)
- Bull. Acad. Serbe Sci. Arts Cl. Sci. Math. Natur. Sci. Math.* Bulletin de l'Académie Serbe des Sciences et des Arts. Classe des Sciences Mathématiques et Naturelles. Sciences Mathématiques. (Belgrade)
- Bull. Amer. Math. Soc.* Bulletin of the American Mathematical Society. (Providence, R.I.)
- Bull. Austral. Math. Soc.* Bulletin of the Australian Mathematical Society. (St. Lucia)
- Bull. Calcutta Math. Soc.* Bulletin of the Calcutta Mathematical Society. (Calcutta)
- Bull. College Sci. (Baghdad).* Bulletin of the College of Science. (Baghdad)
- Bull. Fac. Ed. Univ. Kagoshima.* Bulletin of the Faculty of Education, University of Kagoshima. (Kagoshima)
- Bull. Fac. Ed. Utsunomiya Univ.* Bulletin of the Faculty of Education. Utsunomiya University. (Utsunomiya)
- Bull. Fac. Sci. Ibaraki Univ. Ser. A.* Bulletin of the Faculty of Science. Ibaraki University. Series A. Mathematics. (Ibaraki)
- Bull. Fukuoka Univ. Ed. III.* Bulletin of Fukuoka University of Education. Part III. Natural Sciences. (Fukuoka)

ABBREVIATIONS OF NAMES OF JOURNALS

- Bull. Géodésique.* Bulletin Géodésique. (Paris)
- Bull. Inst. Internat. Statist.* Bulletin de l'Institut International de Statistique. (The Hague)
- Bull. Inst. Statist. Res. Training.* Institute of Statistical Research and Training. University of Dacca. The Bulletin of the Institute of Statistical Research and Training. (Dacca)
- Bull. Kyoto Univ. Ed. Ser. B.* Bulletin of the Kyoto University of Education. Series B. Mathematics and Natural Science. (Kyoto)
- Bull. Kyushu Inst. Tech. Math. Natur. Sci.* Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science. (Tobata)
- Bull. London Math. Soc.* The Bulletin of the London Mathematical Society. (London)
- Bull. Math. Biophys.* The Bulletin of Mathematical Biophysics. (Ann Arbor, Mich.)
- Bull. Math. Soc. Sci. Math. R. S. Roumanie.* Bulletin Mathématique de la Société des Sciences Mathématiques de la République Socialiste de Roumanie. (Bucharest)
- Bull. Math. Statist.* Bulletin of Mathematical Statistics. (Fukuoka)
- Bull. Nara Univ. Ed. Natur. Sci.* Bulletin of Nara University of Education. Natural Science. (Nara)
- Bull. Sci. Conseil Acad. RSF Yougoslav. Sect. A.* Bulletin Scientifique. Conseil des Académies de la RSF de Yougoslavie. Section A. (Zagreb)
- Bull. Sci. Engrg. Res. Lab. Waseda Univ.* Bulletin of Science and Engineering Research Laboratory. Waseda University. (Tokyo)
- Bull. Sci. Math.* Bulletin des Sciences Mathématiques. (Paris)
- Bull. Signal. 110 Math. Appl. Informat. Automat.* Centre National de la Recherche Scientifique. Bulletin Signalétique 110. Mathématiques Appliquées. Informatique. Automatique. (Paris) (Formerly: *Bull. Signal. Math. Pures Appl.*)
- Bull. Signal. Math. Pures Appl.* Ministère de l'Éducation Nationale. Centre National de la Recherche Scientifique. Bulletin Signalétique. Mathématiques Pures et Appliquées. (Paris) (Continued as: *Bull. Signal. 110 Math. Appl. Informat. Automat.*)
- Bull. Soc. Math. Belg.* Bulletin de la Société Mathématique de Belgique. (Brussels)
- Bull. Soc. Math. France.* Bulletin de la Société Mathématique de France. (Paris)
- Bull. Soc. Math. Grèce.* Bulletin de la Société Mathématique de Grèce. (Athens)
- Bull. Soc. Math. Phys. Macédoine.* Bulletin de la Société des Mathématiciens et des Physiciens de la République Populaire de Macédoine. Bilten na Društvo na Matematičarite i Fizičarite od Socialistička Republika Makedonija. (Skopje)
- Bull. Soc. Roy. Sci. Liège.* Bulletin de la Société Royale des Sciences de Liège. (Liège)
- Bull. Soc. Sci. Lettres Lódz.* Bulletin de la Société des Sciences et des Lettres de Lódz. (Lódz)
- Bull. Tokyo Gakugei Univ.* Bulletin of Tokyo Gakugei University. (Tokyo)
- Bull. Univ. Osaka Prefecture Ser. A.* Bulletin of University of Osaka Prefecture. Series A. Engineering and Natural Sciences. (Osaka)
- Bull. Yamagata Univ. Natur. Sci.* Bulletin of the Yamagata University. (Natural Science). (Yamagata)
- C. R. Acad. Bulgare Sci.* Doklady Bolgarskoj Akademii Nauk. Comptes Rendus de l'Académie Bulgare des Sciences. (Sofia)
- C. R. Acad. Sci. Paris Sér. A-B.* Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Séries A et B. (Paris)
- Cahiers Centre Études Recherche Opér.* Cahiers du Centre d'Études de Recherche Opérationnelle. (Brussels)
- Cahiers Topologie Géom. Différentielle.* Cahiers de Topologie et Géométrie Différentielle. (Paris)
- Calcolo.* Calcolo. (Rome)
- Calcutta Statist. Assoc. Bull.* Calcutta Statistical Association Bulletin. (Calcutta)
- Canad. J. Math.* Canadian Journal of Mathematics. Journal Canadien de Mathématiques. (Toronto, Ont.)
- Canad. J. Phys.* Canadian Journal of Physics. (Ottawa, Ont.)
- Canad. Math. Bull.* Canadian Mathematical Bulletin. Bulletin Canadien de Mathématiques. (Toronto, Ont.)
- Časopis Pěst. Mat.* Československá Akademie Věd. Časopis pro Pěstování Matematiky. (Prague)
- Čečeno-Inguš. Gos. Ped. Inst. Učen. Zap.* Čečeno-Ingušskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Groznyj)
- Celestial Mech.* Celestial Mechanics. (Dordrecht)
- Čeljabinsk. Gos. Ped. Inst. Trudy.* Čeljabinskij Gosudarstvennyj Pedagogičeskij Institut. Trudy. (Chelyabinsk)
- Centaurus.* Centaurus. (Copenhagen)
- Chem. Phys. Lett.* Chemical Physics Letters. (Amsterdam)
- Chinese J. Phys. (Peking).* Chinese Journal of Physics (Peking). (A translation of Acta Physica Sinica of the Chinese Academy of Sciences, Peking) (New York) (Translation of Acta Phys. Sinica)
- Chinese Math.—Acta.* Chinese Mathematics. Translation of Acta Mathematica Sinica. (Providence, R.I.) (Translation of Acta Math. Sinica)
- Cho-sŏn In-min Kong-hwa-kuk Kwa-hak-wŏn T'ong-p'o.* (Academy of Science of the People's Republic of Korea. Bulletin) Cho-sŏn Min-ju-ju-ŭi In-min Kong-hwa-kuk Kwa-hak-wŏn. T'ong-p'o. (Pyongyang)
- Čitin. Gos. Ped. Inst. Učen. Zap.* Čitinskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Chita)
- Collect. Math.* Consejo Superior de Investigaciones Científicas. Universidad de Barcelona. Collectanea Mathematica. Seminario Matemático de Barcelona. (Barcelona)
- Colloq. Math.* Colloquium Mathematicum. (Warsaw)
- Comm. ACM.* Communications of the Association for Computing Machinery. (New York)
- Comm. Dublin Inst. Adv. Studies Ser. A.* Communications of the Dublin Institute for Advanced Studies. Series A. (Dublin)
- Comm. Fac. Sci. Univ. Ankara Sér. A.* Communications de la Faculté des Sciences de l'Université d'Ankara. Série A. Mathématiques-Physique-Astronomie. (Ankara)
- Comm. Math. Phys.* Communications in Mathematical Physics. (Berlin)
- Comm. Pure Appl. Math.* Communications on Pure and Applied Mathematics. (New York)
- Comment. Math. Helv.* Commentarii Mathematici Helvetici. (Zürich)
- Comment. Math. Prace Mat.* Roczniki Polskiego Towarzystwa Matematycznego. Seria I. Commentationes Mathematicae. Prace Matematyczne. (Warsaw)
- Comment. Math. Univ. Carolinae.* Commentationes Mathematicae Universitatis Carolinae. (Prague)
- Comment. Math. Univ. St. Paul.* Commentarii Mathematici Universitatis Sancti Pauli. Rikkyō Daigaku Sōgaku Zasshi. (Tokyo)
- Compositio Math.* Compositio Mathematica. (Groningen)
- Comput. and Control Abstracts.* Computer and Control Abstracts. (New York)
- Comput. J.* The Computer Journal. (London)

ABBREVIATIONS OF NAMES OF JOURNALS

- Comput. Rev.* Computing Reviews. (New York) (Usually abbreviated *CR* in the text of *Math. Reviews*)
- Comput. Surveys.* Computing Surveys. ACM. (New York)
- Computing* (Arch. Elektron. Rechnen). Computing. Archiv für elektronisches Rechnen. Archives for Electronic Computing. (Vienna)
- Confer. Sem. Mat. Univ. Bari.* Conferenze del Seminario di Matematica dell'Università di Bari. (Bari)
- Contents Contemporary Math. J. and New Publ.* Contents of Contemporary Mathematical Journals and New Publishers. (Providence, R.I.)
- CORS J.* CORS J. The Canadian Operational Research Society Journal. (Toronto, Ont.) (Continued as: *INFOR—Canad. J. Operational Res. and Information Processing*)
- CR.* Computing Reviews. (New York)
- Čuvaš. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvetšeniya RSFSR. Čuvašskii Gosudarstvennyi Pedagogičeskii Institut im. I. Ja. Jakovleva. Učenyje Zapiski. (Cheboksary) (May also appear as: *Čuvaš. Gos. Univ. i Čuvaš. Gos. Ped. Inst. Učen. Zap.*)
- Čuvaš. Gos. Univ. i Čuvaš. Gos. Ped. Inst. Učen. Zap.* Čuvašskii Gosudarstvennyi Universitet imeni I. N. Uľjanova. Čuvašskii Gosudarstvennyi Pedagogičeskii Institut imeni I. Ja. Jakovleva. Učenyje Zapiski. (Cheboksary) (May also appear as: *Čuvaš. Gos. Ped. Inst. Učen. Zap.*)
- Cybernetics.* Cybernetics. (New York) (A translation of *Kibernetika* (Kiev))
- Czasopis. Techn.* Politechnika Krakowska i Krakowskie Zjednoczenie Budownictwa. Czasopismo Techniczne. (Kraków)
- Czechoslovak J. Phys.* Čehoslovackaja Akademija Nauk. Čehoslovackii Fizičeskii Žurnal. Czechoslovak Academy of Sciences. Czechoslovak Journal of Physics. (Prague)
- Czechoslovak Math. J.* Čehoslovackaja Akademija Nauk. Čehoslovackii Matematičeskii Žurnal. Czechoslovak Mathematical Journal. (Prague)
- Dagestan. Gos. Univ. Učen. Zap.* Dagestanskii Gosudarstvennyi Universitet imeni V. I. Lenina. Učenyje Zapiski. (Makhachkala)
- Dal'nevostoč. Gos. Univ. Učen. Zap.* Dal'nevostočnyi Gosudarstvennyi Universitet. Učenyje Zapiski (Seriya fiziko-matematičeskikh Nauk). (Vladivostok)
- Danske Vid. Selsk. Mat.-Fys. Medd.* Det Kongelige Danske Videnskabsnæstakab Matematisk-fysiske Meddelelser. (Copenhagen)
- Defence Sci. J.* Defence Science Journal. (Delhi)
- Delta (Waukesha).* Delta. Waukesha Mathematics Society. (Waukesha, Wis.)
- Demonstratio Math.* Demonstratio Mathematica. (Warsaw)
- Denshi Tsushin Gakkai Ronbunshi.* See *Electron. Commun. Japan.*
- Differencial'nye Uravneniya.* Differencial'nye Uravneniya. (Minak) (Translated as: *Differential Equations*)
- Differential Equations.* Differential Equations. (New York) (Translation of *Differencial'nye Uravneniya*)
- *Discrete Math.* Discrete Mathematics. (Amsterdam)
- Diskret. Analiz.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Diskretnyi Analiz. Sbornik Trudov. (Novosibirsk)
- Dissertationes Math. Rozprawy Mat.* Polskiej Akademii Nauk. Instytut Matematyczny. Dissertationes Mathematicae. Rozprawy Matematyczne. (Warsaw)
- Dokl. Akad. Nauk BSSR.* Doklady Akademii Nauk BSSR. (Minsk)
- Dokl. Akad. Nauk SSSR.* Doklady Akademii Nauk SSSR. (Moscow) (Mathematics section translated as: *Soviet Math. Dokl.*; Physics section translated as: *Soviet Physics Dokl.*)
- Dokl. Akad. Nauk Tadšk. SSR.* Doklady Akademii Nauk Tadžikskoi SSR. (Dushanbe)
- Dokl. Akad. Nauk UzSSR.* Doklady Akademii Nauk UzSSR. (Tashkent)
- Dopovidi Akad. Nauk Ukraïn. RSR Ser. A.* Dopovidi Akademii Nauk Ukraïn'koï RSR. Serija A. (Kiev)
- Dopovidi Akad. Nauk Ukraïn. RSR Ser. B.* Dopovidi Akademii Nauk Ukraïn'koï RSR. Serija B. (Kiev)
- Duke Math. J.* Duke Mathematical Journal. (Durham, N.C.)
- Dušanbin. Gos. Ped. Inst. Učen. Zap.* Dušanbinakii Gosudarstvennyi Pedagogičeskii Institut im. T. G. Ševčenko. Učenyje Zapiski. (Dushanbe)
- DVT—Dějiny Věd a Techniky.* DVT—Dějiny Věd a Techniky. Společnost pro Dějiny Věd a Techniky. (Prague)
- Econom. Comp. Econom. Cybernet. Stud. Res.* Economic Computation and Economic Cybernetics Studies and Research. (Bucharest)
- Econometrica.* Econometrica. Journal of the Econometric Society. (Chicago, Ill.)
- EEA.* Science Abstracts. Electrical & Electronics Abstracts. (London)
- Eesti NSV Tead. Akad. Füüs. Astronoom. Inst. Uurim.* Eesti NSV Teaduste Akadeemia Füüsika ja Astronoomia Instituudi Uurimused. (Trüdy Instituuta Fiziki i Astronomii Akademii Nauk Ėstonakoi SSR). Publikacii Tartuskoï Astronomičeskoï Observatorii. (Tartu)
- Eesti NSV Tead. Akad. Tartu Astronoom. Observ. Publ.* Eesti NSV Teaduste Akadeemia Tartu Astronoomia Observatooriumi Publikatsioonid. (Tartu)
- Eesti NSV Tead. Akad. Toimetised Füüs.-Mat.* Eesti NSV Teaduste Akadeemia Toimetised. Füüsika-Matemaatika. Izvestija Akademii Nauk Ėstonskoï SSR. Serija Fizika-Matematika. (Tallin)
- Ėkonom. i Mat. Metody.* Ėkonomika i Matematičeskie Metody. (Moscow)
- Ėkonom.-Mat. Obzor.* Ėskonolovenská Akademie Věd. Ėkonomicko-Matematický Obzor. (Prague)
- Elabuč. Gos. Ped. Inst. Učen. Zap.* Elabučskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Kazan)
- Electrical & Electronics Abstracts.* Science Abstracts. Electrical & Electronics Abstracts. (London) (Usually abbreviated *EEA* in the text of *Math. Reviews*)
- Electron. Commun. Japan.* Electronics and Communications in Japan. The Transactions of the Institute of Electronics and Communication Engineers of Japan. (New York) (Translation of *Denshi Tsushin Gakkai Ronbunshi*)
- Elektron. Informationsverarbeitung. Kybernetik.* Sektion für Kybernetik beim Präsidium der Deutschen Akademie der Wissenschaften zu Berlin und der Mathematischen Gesellschaft der Deutschen Demokratischen Republik. Elektronische Informationsverarbeitung und Kybernetik. (Berlin)
- Elem. Math.* Elemente der Mathematik. Revue de Mathématiques Élémentaires. Rivista di Matematica Elementare. (Basel)
- Engry. Cybernetics.* Engineering Cybernetics. English Edition of *Tehničeskaja Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Enseignement Math.* L'Enseignement Mathématique. (Geneva)
- Estadist. Española.* Estadística Española. (Madrid)
- Estadística.* Estadística. (Washington, D.C.)
- Euclides (Groningen).* Euclides. Maandblad voor de Didactiek van de Wiskunde. (Groningen)
- Fac. Ingen. Agrimens. Montevideo Publ. Didact. Inst. Mat. Estadist.* Facultad de Ingeniería y Agrimensura. Montevideo. Publicaciones Didácticas del Instituto de Matemática y Estadística. (Montevideo)
- Fac. Sci. Univ. Skopje Annuaire.* Faculté des Sciences de l'Université de Skopje. Annuaire. (Skopje)
- Fasc. Math. Politechnika Poznańska. Zeszyty Matematyczne.* Fasciuli Mathematici. (Poznań)

ABBREVIATIONS OF NAMES OF JOURNALS

- Fergan. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya Uzbekskoi SSR. Ferganskii Gosudarstvennyi Pedagogičeskii Institut imeni Ulugbeka. Učenyje Zapiski. Serija Matematičeskaja. (Fergana)
- Fibonacci Quart.* The Fibonacci Quarterly. Official Organ of the Fibonacci Association. A Journal devoted to the study of integers with special properties. (St. Mary's College, Calif.)
- **Fizika (Zagreb).* Fizika. A Journal of Experimental and Theoretical Physics. (Zagreb)
- Fiz.-Mat. Spis. B'lgar. Akad. Nauk.* B'lgarska Akademija na Naukite Fizičeski Institut. Matematičeski Institut. Fiziko-Matematičesko Spisanie. (Sofia)
- Fluid Dynamics.* Fluid Dynamics. (New York) (Translation of *Izv. Akad. Nauk SSSR Ser. Meh. Židk. Gaza*)
- FOA Rep.* FOA Reports. Forsvarets Forskningsanstalt (Research Institute of National Defence). (Stockholm)
- Formosan Sci.* Formosan Science. (Taipei)
- Fortchr. Physik.* Fortschritte der Physik. (Berlin)
- Found. Language.* International Journal of Language and Philosophy. Foundations of Language. (Dordrecht)
- Found. Phys.* Foundations of Physics. (New York)
- Functional Anal. Appl.* Functional Analysis and its Applications. (New York) (Translation of *Funkcional. Anal. i Priložen.*)
- Fund. Math.* Polska Akademia Nauk. Fundamenta Mathematicae. (Warsaw)
- Funkcial. Ekvac.* Fako de l'Funkcialaj Ekvacioj Japana Matematika Societo. Funkcialaj Ekvacioj. (Serio Internacia). (Kobe)
- Funkcional. Anal. i Priložen.* Akademija Nauk SSSR. Funkcional'nyi Analiz i ego Priloženija. (Moscow) (Translated as: *Functional Anal. Appl.*)
- Fyz. Časopis Sloven. Akad. Vied.* Fyzikálny Časopis Slovenskej Akadémie Vied. (Bratislava)
- Gac. Mat. (Madrid).* Gaceta Matemática. (Madrid)
- Gamoqeneb. Math. Inst. Sem. Moqsen. Anotacie.* Tbilisis Universiteti. Gamoqenebithi Matematikis Institutis Seminari. Moqsenebatha Anotaciebi. (Tbilisi) (Also listed as: *Sem. Inst. Prikl. Mat. Annotac. Doklady*)
- Gapita.* Gapita (Mathematics). Bharat Gapita Parishad (Benares Mathematical Society). (Lucknow)
- Gaz. Mat. (Lisboa).* Gazeta de Matemática. (Lisbon)
- Gaz. Mat. Ser. A.* Societatea de Științe Matematice din R. P. R. Gazeta Matematică. Publicație Pentru Studiul și Răspîndirea Științelor Matematice. Seria A. (Bucharest)
- **General Relativity and Gravitation.* General Relativity and Gravitation. (London)
- General Topology and Appl.* General Topology and its Applications. (Amsterdam)
- Geodast. Inst. Medd.* Geodastisk Institut. Meddelelser. (Copenhagen)
- **Geodes. and Aerophot.* Geodesy and Aerophotography. (Washington, D.C.) (Translation of *Izv. Vysš. Učebn. Zaved. Geod. i Aerofot.*)
- Gidroaëromeh. i Teor. Uprugosti.* Gidroaëromehanika i Teorija Uprugosti. (Kharkov)
- Giorn. Ist. Ital. Attuari.* Giornale dell'Istituto Italiano degli Attuari. (Rome)
- Giorn. Mat. Battaglini.* Giornale di Matematiche di Battaglini. (Naples)
- Glasgow Math. J.* Glasgow Mathematical Journal. (Glasgow)
- Glasnik Mat. Ser. III.* Društvo Matematičara i Fizičara S. R. Hrvatske. Glasnik Matematički. Serija III. (Zagreb)
- Godišnik Inž.-Stroitel. Inst.* Godišnik na Inžerno-Stroitel'nija Institut. (Sofia)
- Godišnik Visš. Himikotehn. Inst. (Burgas).* Godišnik Visšija Himikotehnologičeski Institut. Burgas. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Fiz.* Godišnik na Visšite Tehničeski Učebni Zavedenija. Fizika. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Mat.* Godišnik na Visšite Tehničeski Učebni Zavedenija. Matematika. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Priložna Meh.* Godišnik na Visšite Tehničeski Učebni Zavedenija. Priložna Mehanika. (Sofia)
- Godišnjak Filosof. Fak. u Novom Sadu.* Godišnjak Filozofskog Fakulteta u Novom Sadu. (Novi Sad)
- Gor'kov. Gos. Univ. Učen. Zap.* Gor'kovskii Gosudarstvennyi Universitet. Učenyje Zapiski. (Gorki)
- Gruzin. Politehn. Inst. Trudy.* Gruzinskii Politehniceskii Institut im. V. I. Lenina. Trudy. (Tbilisi) See *V. I. Lenin. Sakharth. Politekh. Inst. Šrom.*
- Helv. Phys. Acta.* Helvetica Physica Acta. Societatis Physicæ Helveticae Commentaria Publica. (Basel)
- **Hiroshima Math. J.* Hiroshima Mathematical Journal. (Hiroshima) (Formerly: *J. Sci. Hiroshima Univ. Ser. A-I Math.*)
- Hist. of Sci.* History of Science. An Annual Review of Literature, Research, and Teaching. (Cambridge, England)
- Hitotsubashi J. Arts Sci.* Hitotsubashi Journal of Arts & Sciences, Hitotsubashi University. (Tokyo)
- IBM J. Res. Develop.* IBM Journal of Research and Development. (New York)
- IBM Systems J.* International Business Machines Corporation. IBM Systems Journal. (Armonk, N.Y.)
- Icarus.* Icarus. International Journal of the Solar System. (New York)
- IEEE Trans. Aerospace and Electron. Systems.* IEEE Transactions on Aerospace and Electronic Systems. (New York)
- IEEE Trans. Antennas and Propagation.* IEEE Transactions on Antennas and Propagation. (New York)
- IEEE Trans. Automatic Control.* IEEE Transactions on Automatic Control. (New York)
- IEEE Trans. Circuit Theory.* IEEE Transactions on Circuit Theory. (New York)
- **IEEE Trans. Comm. Tech.* IEEE Transactions on Communication Technology. (New York)
- IEEE Trans. Computers.* IEEE Transactions on Computers. (New York)
- IEEE Trans. Geosci. Electronics.* IEEE Transactions on Geoscience Electronics. (New York)
- IEEE Trans. Information Theory.* IEEE Transactions on Information Theory. (New York)
- Illinois J. Math.* Illinois Journal of Mathematics. (Urbana, Ill.)
- Indag. Math.* Indagationes Mathematicae. See *Nederl. Akad. Wetensch. Indag. Math.*
- Indian J. Engrg. Math.* Indian Journal of Engineering Mathematics. (Agra)
- Indian J. History Sci.* Indian Journal of History of Science. National Institute of Sciences of India. (New Delhi)
- Indian J. Math.* Indian Journal of Mathematics. (Allahabad)
- Indian J. Mech. Math.* Indian Journal of Mechanics and Mathematics. (Calcutta)
- Indian J. Pure Appl. Math.* Indian Journal of Pure and Applied Mathematics. (New Delhi)
- Indiana Univ. Math. J.* Indiana University Mathematics Journal. (Bloomington, Ind.)
- Indust. Math.* Industrial Mathematics. (Detroit, Mich.)

ABBREVIATIONS OF NAMES OF JOURNALS

- INFOR—Canad. J. Operational Res. and Information Processing.* INFOR. Canadian Journal of Operational Research and Information Processing. (Toronto) (Formerly: *CORS J.*)
- Informác.-Elektron.* Információ-Elektronika. A Középtéri Statisztikai Hivatali Polyóirata. (Budapest)
- Information and Control.* Information and Control. (New York)
- Information Processing in Japan.* Information Processing in Japan. (Tokyo)
- Information Sci.* Information Sciences. An International Journal. (New York)
- Inst. Gulbenkian Ci. Centro Cálcl. Ci. Estud. Program. Anál. Numér.* Fundação Calouste Gulbenkian. Instituto Gulbenkian de Ciência. Centro de Cálculo Científico. Estudos de Programação e Análise Numérica. (Lisbon)
- Inst. Hautes Études Sci. Publ. Math.* Institut des Hautes Études Scientifiques. Publications Mathématiques. (Paris)
- Internat. J. Comput. Math.* International Journal of Computer Mathematics. (New York)
- Internat. J. Control.* International Journal of Control. (London)
- Internat. J. Engrg. Sci.* International Journal of Engineering Science. (Oxford-New York)
- Internat. J. Non-Linear Mech.* International Journal of Non-Linear Mechanics. (New York)
- Internat. J. Numer. Methods Engrg.* International Journal for Numerical Methods in Engineering. (London)
- Internat. J. Systems Sci.* International Journal of Systems Science. (London)
- Internat. J. Theoret. Phys.* International Journal of Theoretical Physics. (London)
- Invent. Math.* Inventiones Mathematicae. (Berlin)
- Inf.-Stroitel. Inst. Kuibyshev. Sb. Trudov.* Moskovskii Ordena Trudovogo Krasnogo Znamenii Inzhenerno-Stroitel'nyi Institut im. V. V. Kuibysheva. Sbornik Trudov. (Moscow)
- Inf. Ž. Meh. Tverd. Tela.* Inzhenernyi Zhurnal. Mekhanika Tverdogo Tela. (Moscow) (Translated as: *Mechanics of Solids*)
- Isis.* Isis. An International Review Devoted to the History of Science and Civilization. (Cambridge, Mass.)
- Israel J. Math.* Israel Journal of Mathematics. (Jerusalem)
- Isl. Lombardo Accad. Sci. Lett. Rend. A.* Istituto Lombardo. Accademia di Scienze e Lettere. Rendiconti. Scienze Matematiche, Fisiche, Chimiche e Geologiche. A. (Milan)
- Isl. Veneto Sci. Lett. Arti Atti Cl. Sci. Mat. Natur.* Istituto Veneto de Scienze, Lettere ed Arti. Venezia. Atti. Classe de Scienze Matematiche e Naturali. (Venice)
- Istanbul Tek. Üniv. Bül.* İstanbul Teknik Üniversitesi Bülteni. Bulletin of the Technical University of Istanbul. (Istanbul)
- Istanbul Üniv. Fen Fak. Mec. Ser. A.* İstanbul Üniversitesi Fen Fakültesi Mecmuası. A Serisi: Sıfı ve Tatbiki Matematik. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série A: Mathématiques Pures et Appliquées. (Istanbul)
- Istor.-Astronom. Issled.* Istoriko-Astronomicheskie Issledovaniya. (Moscow)
- Istor.-Mat. Issled.* Istoriko-Matematicheskie Issledovaniya. (Moscow-Leningrad)
- Ivanov. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvetsheniya RSFSR. Ivanovskii Gosudarstvennyi Pedagogicheskii Institut im. D. A. Furmanova. Ivanovskoe Matematicheskoe Obščestvo. Učenyje Zapiski. (Ivanovo)
- Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.* Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana*)
- Izv. Acad. Sci. USSR Phys. Solid Earth.* Izvestiya Academy of Sciences USSR. Physics of the Solid Earth. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- Izv. Akad. Nauk Armjan. SSR Ser. Fiz.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Fizika. (Erevan)
- Izv. Akad. Nauk Armjan. SSR Ser. Mat.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Matematika. (Erevan)
- Izv. Akad. Nauk Armjan. SSR Ser. Meh.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Mekhanika. (Erevan)
- Izv. Akad. Nauk Azerbaidžan. SSR Ser. Fiz.-Tehn. Mat. Nauk.* Izvestiya Akademii Nauk Azerbaidžanskoi SSR. Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk. (Baku)
- Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat.* Izvestiya Akademii Nauk Kazahskoi SSR. Seriya Fiziko-Matematicheskaja. (Alma-Ata)
- Izv. Akad. Nauk Kirgiz. SSR.* Izvestiya Akademii Nauk Kirgizskoi SSR. (Frunze)
- Izv. Akad. Nauk Moldav. SSR = Bul. Akad. Ştiinţe RSS Moldoven.*
- Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana.* Izvestiya Akademii Nauk SSSR. Seriya Fizika Atmosfery i Okeana. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.*)
- Izv. Akad. Nauk SSSR Ser. Fiz. Zemli.* Izvestiya Akademii Nauk SSSR Seriya Fizika Zemli. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Phys. Solid Earth*)
- Izv. Akad. Nauk SSSR Ser. Mat.* Izvestiya Akademii Nauk SSSR. Seriya Matematicheskaja. (Moscow) (Translated as: *Math. USSR-Izv.*)
- Izv. Akad. Nauk SSSR Ser. Meh. Židk. Gaza.* Akademija Nauk SSSR. Izvestiya Akademii Nauk SSSR. Seriya Mekhanika Židkosti i Gaza. (Moscow) (Translated as: *Fluid Dynamics*)
- Izv. Akad. Nauk SSSR Tehn. Kibernet.* Izvestiya Akademii Nauk SSSR. Tekhnicheskaja Kibernetika. (Moscow) (Translated as: *Engrg. Cybernetics*)
- Izv. Akad. Nauk Tadžik. SSR Otdel. Fiz.-Mat. i Geolog.-Him. Nauk.* Izvestiya Akademii Nauk Tadžikskoi SSR. Otdelenie Fiziko-Matematicheskikh i Geologo-Himicheskikh Nauk. (Dushanbe)
- Izv. Akad. Nauk Turkmen. SSR Ser. Fiz.-Tehn. Him. Geol. Nauk.* Izvestiya Akademii Nauk Turkmenaskoi SSR. Seriya Fiziko-Tekhnicheskikh, Himicheskikh i Geologicheskikh Nauk. (Ashkhabad)
- Izv. Akad. Nauk UzSSR Ser. Fiz.-Mat. Nauk.* Izvestiya Akademii Nauk UzSSR. Seriya Fiziko-Matematicheskikh Nauk. UzSSR Fanlar Akademijasining Ahboroti. Fizika-Matematika Fanlari Seriyasi. (Tashkent)
- Izv. Kazan. Fil. Akad. Nauk SSSR Ser. Fiz.-Mat. i Tehn. Nauk.* Izvestiya Kazanskogo Filiala Akademii Nauk SSSR. Seriya Fiziko-Matematicheskikh i Tekhnicheskikh Nauk. (Kazan)
- Izv. Krymsk. Ped. Inst.* Izvestiya Krymskogo Pedagogicheskogo Instituta im. M. V. Frunze. (Simferopol)
- Izv. Sibirsk. Otdel. Akad. Nauk SSSR.* Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR. (Novosibirsk)
- Izv. Vuzov = Izv. Vysš. Učebn. Zaved. Matematika.*
- Izv. Vysš. Učebn. Zaved. Aviacion. Tehn.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestiya Vysših Učebnyh Zavedenii. Aviacionnaja Tehnika. (Kazan) (Translated as: *Soviet Aeronaut.*)
- Izv. Vysš. Učebn. Zaved. Elektromekhanika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestiya Vysših Učebnyh Zavedenii. Elektromekhanika. (Novocherkassk)
- Izv. Vysš. Učebn. Zaved. Fizika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestiya Vysših Učebnyh Zavedenii Fizika. (Tomsk) (Translated as: *Soviet Physics J.*)
- *Izv. Vysš. Učebn. Zaved. Geod. i Aerofot.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestiya Vysših Učebnyh Zavedenii. Geodezija i Aerofotografika. (Moscow) (Translated as: *Geodes. and Aerophot.*)

ABBREVIATIONS OF NAMES OF JOURNALS

Izv. Vysš. Učebn. Zaved. Matematika. Ministerstvo Vysšego Obrazovaniia SSSR. Izvestiia Vysših Učebnyh Zavedenii. Matematika. (Kazan)

Izv. Vysš. Učebn. Zaved. Radiofizika. Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniia SSSR. Izvestiia Vysših Učebnyh Zavedenii. Radiofizika. (Gorki) (Translated as: *Radiophys. and Quantum Electronics*)

J. Algebra. Journal of Algebra. (New York)

J. Amer. Statist. Assoc. Journal of the American Statistical Association. (Washington, D.C.)

J. Analyse Math. Journal d'Analyse Mathématique. (Jerusalem)

J. Annamalai Univ. Part B Sci. Journal of the Annamalai University. Part B. Sciences. (Annamalainagar)

J. Appl. Math. Mech. Journal of Applied Mathematics and Mechanics. (Translation of the Soviet journal *Prikladnaja Matematika i Mehanika*). (New York) (Translation of *Prikl. Mat. Meh.*)

J. Appl. Mech. Tech. Phys. Journal of Applied Mechanics and Technical Physics. (New York) (Translation of *Ž. Prikl. Meh. i Tehn. Fiz.*)

J. Appl. Probability. Journal of Applied Probability. (East Lansing, Mich.)

J. Approximation Theory. Journal of Approximation Theory. (New York)

J. Assoc. Comput. Mach. Journal of the Association for Computing Machinery. (New York)

J. Astronaut. Sci. American Astronautical Society. Journal of the Astronautical Sciences. (Baltimore, Md.)

J. Atmospheric Sci. Journal of the Atmospheric Sciences. (Boston, Mass.)

J. Austral. Math. Soc. The Journal of the Australian Mathematical Society. (Sydney)

J. Birla Inst. Tech. and Sci. (Pilani). Journal of the Birla Institute of Technology and Science. (Pilani)

J. Chem. Phys. The Journal of Chemical Physics. (New York)

J. China Univ. Sci. Techn. Journal of the China University of Science and Technology. Zhongguo Kexue Jishu Daxue Xuebao. (Peking)

J. Combinatorial Theory. Journal of Combinatorial Theory. (New York) (Continued as: *J. Combinatorial Theory Ser. A* and *J. Combinatorial Theory Ser. B*)

J. Combinatorial Theory Ser. A. Journal of Combinatorial Theory. Series A. (New York) (Formerly: *J. Combinatorial Theory*)

J. Combinatorial Theory Ser. B. Journal of Combinatorial Theory. Series B. (New York) (Formerly: *J. Combinatorial Theory*)

J. Comput. System Sci. Journal of Computer and Systems Sciences. (New York)

J. Computational Phys. Journal of Computational Physics. (New York)

J. Cuneiform Studies. Journal of Cuneiform Studies. (New Haven, Conn.)

J. Differential Equations. Journal of Differential Equations. (New York)

J. Differential Geometry. Journal of Differential Geometry. (Bethlehem, Pa.)

J. Elisha Mitchell Sci. Soc. Journal of the Elisha Mitchell Scientific Society. (Chapel Hill, N.C.)

J. Engrg. Math. Journal of Engineering Mathematics. (Groningen)

J. Fac. Engrg. Chiba Univ. Journal of the Faculty of Engineering, Chiba University. (Chiba)

J. Fac. Engrg. Univ. Tokyo Ser. B. Journal of the Faculty of Engineering. University of Tokyo. Series B. (Tokyo)

J. Fac. Sci. Hokkaido Univ. Ser. I. Journal of the Faculty of Science. Hokkaido University. Series I. Mathematics. (Sapporo)

J. Fac. Sci. Shinshu Univ. Journal of the Faculty of Science. Shinshu University. (Matsumoto)

J. Fac. Sci. Univ. Tokyo Sect. I A Math. Journal of the Faculty of Science. University of Tokyo. Section I A. Mathematics. (Tokyo)

J. Fluid Mech. Journal of Fluid Mechanics. (London)

J. Franklin Inst. Journal of the Franklin Institute. (Philadelphia, Pa.)

J. Functional Analysis. Journal of Functional Analysis. (New York)

J. Hist. Astronom. Journal for the History of Astronomy. (London)

J. Indian Math. Soc. The Journal of the Indian Mathematical Society. (Madras)

J. Indian Statist. Assoc. Journal of the Indian Statistical Association. (Bombay)

J. Inst. Math. Appl. Journal of the Institute of Mathematics and its Applications. (New York)

J. Japan Assoc. Automat. Control Engrs. Journal of the Japan Association of Automatic Control Engineers. (Kyoto) (Continued as: *Systems and Control*)

J. Japan Statist. Soc. Journal of the Japan Statistical Society (Nihon Tōkei Gakkai Kaihō). (Tokyo)

J. Karnatak Univ. Sci. Journal of the Karnatak University. Science. (Dharwar)

J. London Math. Soc. The Journal of the London Mathematical Society. (London)

J. Low Temp. Phys. Journal of Low Temperature Physics. (New York)

J. Madras Univ. B. Journal of the Madras University. B. Contributions in Mathematics, Physical and Biological Sciences. (Madras)

J. Math. Anal. Appl. Journal of Mathematical Analysis and Applications. (New York)

J. Math. (Jabalpur). Journal of Mathematics. (Jabalpur)

J. Math. Kyoto Univ. Journal of Mathematics of Kyoto University. (Kyoto)

J. Math. Pures Appl. Journal de Mathématiques Pures et Appliquées. (Paris)

J. Math. Sci. Journal of Mathematical Sciences. The Society of Mathematical Sciences. (Delhi)

J. Math. Soc. Japan. Journal of the Mathematical Society of Japan. (Tokyo)

J. Math. Tokushima Univ. Journal of Mathematics. Tokushima University. (Tokushima)

J. Mathematical and Physical Sci. Journal of Mathematical and Physical Sciences. (Madras)

J. Mathematical Phys. Journal of Mathematical Physics. (New York)

J. Mathematical Psychology. Journal of Mathematical Psychology. (New York)

J. Mécanique. Journal de Mécanique. (Paris)

J. Mech. Phys. Solids. Journal of the Mechanics and Physics of Solids. (London)

J. Multivariate Anal. Journal of Multivariate Analysis. (New York)

J. Nanyang Univ. Journal of Nanyang University. (Singapore)

J. Natur. Sci. and Math. The Journal of Natural Sciences and Mathematics. (Lahore)

**J. Nuclear Sci. and Tech.* Journal of Nuclear Science and Technology. (Tokyo)

J. Number Theory. Journal of Number Theory. (New York)

ABBREVIATIONS OF NAMES OF JOURNALS

- J. of M.A.C.T.* Journal of the Maulana Azad College of Technology. (Bhopal)
- J. Operations Res. Soc. Japan.* Journal of the Operations Research Society of Japan. (Tokyo)
- J. Opt. Soc. Amer.* Journal of the Optical Society of America. (New York)
- J. Optimization Theory Appl.* Journal of Optimization Theory and Applications. (New York)
- J. Phys. Soc. Japan.* Journal of the Physical Society of Japan. (Tokyo)
- J. Physique.* Le Journal de Physique. (Paris)
- J. Pure Appl. Algebra.* Journal of Pure and Applied Algebra. (Amsterdam)
- J. Reine Angew. Math.* Journal für die reine und angewandte Mathematik. (Berlin)
- J. Res. Nat. Bur. Standards Sect. B.* Journal of Research of the National Bureau of Standards. Section B. Mathematics and Mathematical Physics. (Washington, D.C.)
- J. Roy. Statist. Soc. Ser. A.* Journal of the Royal Statistical Society. Series A (General). (London)
- J. Roy. Statist. Soc. Ser. B.* Journal of the Royal Statistical Society. Series B (Methodological). (London)
- J. Roy. Statist. Soc. Ser. C Appl. Statist.* Journal of the Royal Statistical Society. Series C. Applied Statistics. (London)
- J. Sci. Engrg. Res.* Journal of Science and Engineering Research. (Kharagpur)
- J. Sci. Hiroshima Univ. Ser. A-I Math.* Journal of Science of the Hiroshima University. Series A-I (Mathematics). (Hiroshima) (Continued as: *Hiroshima Math. J.*)
- J. Sci. Res. Banaras Hindu Univ.* The Journal of Scientific Research of the Banaras Hindu University. (Banaras)
- J. Statist. Phys.* Journal of Statistical Physics. (New York)
- J. Symbolic Logic.* The Journal of Symbolic Logic. (Providence, R.I.)
- J. Tech. Bengal Engrg. College.* Journal of Technology. Bengal Engineering College. (Howrah)
- J. Theoret. Biol.* Journal of Theoretical Biology. (London)
- J. Tsing Hua Univ.* Journal of Tsing Hua University. (Peking)
- J. Univ. Bombay.* Journal of the University of Bombay. (Bombay)
- Jadernaja Fiz. Akademija Nauk SSSR.* Jadernaja Fizika. (Moscow) (Translated as: *Soviet J. Nuclear Phys.*)
- Janus.* Janus. Revue Internationale de l'Histoire des Sciences, de la Médecine, de la Pharmacie et de la Technique. (Leiden)
- Japan. J. Math.* Science Council of Japan. Japanese Journal of Mathematics. (Tokyo)
- Jaroslav. Gos. Ped. Inst. Dokl. Naučn. Konfer.* Jaroslavl'skij Gosudarstvennyj Pedagogičeskij Institut. Doklady na Naučnyh Konferencijah. (Jaroslavl')
- Jaroslav. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščeniya RSFSR. Jaroslavskij Gosudarstvennyj Pedagogičeskij Institut imeni K. D. Ušinskogo. Učenyje Zapiski. (Jaroslavl')
- Jber. Deutsch. Math.-Verein.* Jahresbericht der Deutschen Mathematiker-Vereinigung. (Stuttgart)
- Kabardino-Balkarsk. Gos. Univ. Učen. Zap.* Kabardino-Balkarskij Gosudarstvennyj Universitet. Učenyje Zapiski. (Nalchik)
- Kalinin. Gos. Ped. Inst. Učen. Zap.* Kalininskij Gosudarstvennyj Pedagogičeskij Institut im. M. I. Kalinina. Učenyje Zapiski. (Kalinin)
- Kaliningrad. Gos. Ped. Inst. Učen. Zap.* Kaliningradskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Kaliningrad)
- *Kaliningrad. Gos. Univ. Učen. Zap.* Ministerstvo Vyšego i Srednego Special'nogo Obrazovaniya RSFSR. Kaliningradskij Gosudarstvennyj Universitet. Učenyje Zapiski. (Kaliningrad)
- Karachi Math. Assoc. Riazi (Souvenir).* Riazi. Souvenir of the Karachi Mathematics Association. (Karachi)
- Kazah. Gos. Ped. Inst. Učen. Zap.* Kazahskij Gosudarstvennyj Pedagogičeskij Institut im. Abaja. Učenyje Zapiski. (Alma-Ata)
- Kazan. Gos. Univ. Učen. Zap.* Kazanskij Ordena Trudovogo Krasnogo Znameni Gosudarstvennyj Universitet im. V. I. Ul'janova-Lenina. Učenyje Zapiski. (Kazan)
- Keiei-Kagaku.* Keiei-Kagaku (Management Science). Japanese Operations Research Association. (Tokyo)
- Kemerov. Gos. Ped. Inst. Učen. Zap.* Kemerovskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Kemerovo)
- Kenkyū Kiyō—Gakushūin Kōtōka.* Memoirs of Gakushūin High School. (Tokyo)
- Kexue Tongbao.* Chinese Academy of Science. Kexue Tongbao (Science Bulletin). (Peking)
- Kexue Tongbao (Foreign Lang. Ed.).* Academia Sinica. Kexue Tongbao (Science Bulletin) (Foreign Language Edition). (Peking)
- Kibernetika (Kiev).* Otdelenie Matematiki, Mehaniki i Kibernetiki Akademii Nauk Ukrainako SSR. Kibernetika. (Kiev) (Translated as: *Cybernetics*)
- Kirov. Gos. Ped. Inst. Učen. Zap.* Kirovskij Gosudarstvennyj Pedagogičeskij Institut imeni V. I. Lenina. Učenyje Zapiski. (Yoshkar-Ola)
- Kišinev. Gos. Univ. Učen. Zap.* Ministerstvo Narodnogo Obrazovaniya Moldavako SSR. Kišinevskij Gosudarstvennyj Universitet. Učenyje Zapiski. (Kishinev)
- Knižnice Odborn. Věd. Spisů Vysoké. Učení Tech. v Brně.* Knižnice Odborných a Vědeckých Spisů Vysokého Učení Technického v Brně. Vysoké Učení Technické v Brně. (Brno)
- Kōdai Math. Sem. Rep.* Kōdai Mathematical Seminar Reports. (Tokyo)
- Kolomen. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščeniya RSFSR. Kolomenskij Pedagogičeskij Institut. Učenyje Zapiski. (Kolomna)
- Kostrom. Gos. Ped. Inst. Učen. Zap.* Kostromskoj Gosudarstvennyj Pedagogičeskij Institut imeni N. A. Nekrasova. Učenyje Zapiski. (Jaroslavl)
- Krasnodar. Gos. Ped. Inst. Naučn. Trudy.* Krasnodarskij Gosudarstvennyj Pedagogičeskij Institut. Naučnyje Trudy. (Krasnodar)
- Kulbyšev. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščeniya RSFSR. Kulbyševskij Gosudarstvennyj Pedagogičeskij Institut imeni V. V. Kulbyševa. Učenyje Zapiski. (Kuybyshev)
- Kumamoto J. Sci. Ser. A.* Kumamoto Journal of Science. Series A (Mathematics, Physics and Chemistry). (Kumamoto)
- Kursk. Gos. Ped. Inst. Učen. Zap.* Kurskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Belgorod)
- Kybernetik (Berlin).* Kybernetik. (Berlin)
- Kybernetika (Prague).* Kybernetika. (Prague)
- Kyungpook Math. J.* Kyungpook National University. Kyungpook Mathematical Journal. (Taegu)
- Labdev—J. Sci. Tech. Part A.* Labdev. Journal of Sciences and Technology. Part A—Physical Sciences. (Kanpur)
- Latvijas PSR Zinātņu Akad. Vēstis.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Izvestija Akademii Nauk Latvīskoj SSR. (Riga)
- Latvijas PSR Zinātņu Akad. Vēstis Fiz. Tehn. Zinātņu Sēr.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Fizikas un Tehniako Zinātņu Sērija. Izvestija Akademii Nauk Latvīskoj SSR. Serija Fizičeskij i Tehničeskij Nauk. (Riga)

ABBREVIATIONS OF NAMES OF JOURNALS

- Latvijas Valsts Univ. Zinātn. Raksti.* PSRS Augstākās Izglītības Ministrija. Pētersburgas Latvijas Valsts Universitāte. Zinātniskie Raksti. Ministerstvo Vysshego Obrazovaniya. Latviskii Gosudarstvennyi Universitet im. Petra Stučki. Uchenye Zapiski. (Riga)
- Leninabad. Gos. Ped. Inst. Učen. Zap.* Leninabadskaia Gosudarstvennyi Pedagogičeskii Institut. Uchenye Zapiski. (Dushanbe)
- Leningrad. Gos. Ped. Inst. Učen. Zap.* Leningradskii Gosudarstvennyi Pedagogičeskii Institut im. A. I. Gercena. Uchenye Zapiski. (Leningrad)
- Leningrad. Gos. Univ. Učen. Zap. Ser. Mat. Nauk.* Leningradskii Gosudarstvennyi Ordena Lenina Universitet imeni A. A. Ždanova. Uchenye Zapiski. Seriya Matematicheskikh Nauk. (Leningrad)
- Leningrad. Inž.-Ekonom. Inst. Trudy.* Leningradskii Inženerno-Ekonomičeskii Institut imeni Pal'miro Tol'jatti. Trudy. (Leningrad)
- Leningrad. Meh. Inst. Sb. Naučn. Trudov.* Leningradskii Mehanicheskii Institut. Sbornik Naučnykh Trudov (LMI). (Leningrad)
- Leningrad. Politehn. Inst. Trudy.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya RSFSR. Leningradskii Politehnicheskii Institut im. M. I. Kalinina. Trudy LPI. (Leningrad)
- Lett. Nuovo Cimento. Lettere al Nuovo Cimento.* Rivista Internazionale della Società Italiana di Fisica. (Bologna)
- Linear Algebra and Appl.* Linear Algebra and its Applications. (New York)
- Litovsk. Fiz. Sb.* Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštosių Mokyklų. Lietuvos Fizikos Rinkiny. Akademija Nauk Litovskoi SSR. Vysšie Školy Litovskoi SSR. Litovskii Fizicheskii Sbornik. (Vilnius)
- Litovsk. Mat. Sb.* Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštosių Mokyklų. Lietuvos Matematikos Rinkiny. Akademija Nauk Litovskoi SSR. Vysšie Učebnye Zavedeniya Litovskoi SSR. Litovskii Matematicheskii Sbornik. (Vilnius)
- Logique et Analyse.* Logique et Analyse. (Louvain)
- Lucrări Ști. Inst. Ped. Galați.* Lucrări Științifice. Institutul Pedagogic Galați. (Galați)
- L'ov. Politehn. Inst. Naučn. Zap. Ser. Fiz.-Mat.* MVO USSR. L'ovskii Politehnicheskii Institut. Naučnye Zapiski. Seriya Fiziko-Matematicheskaja. (Lvov)
- Magnetohydrodynamics.* Magnetohydrodynamics. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)
- Magnit. Gidrodinamika.* Akademija Nauk Latvīskoi SSR. Magnitnaja Gidrodinamika. (Riga) (Translated as: *Magnetohydrodynamics*)
- Magyar Tud. Akad. Mat. Fiz. Osz. Közl.* A Magyar Tudományos Akadémia Matematikai és Fizikai Tudományok Osztályának Közleményei. (Budapest)
- Makedon. Akad. Nauk. Umet. Oddel. Prirod.-Mat. Nauk. Prilozi.* Makedonska Akademija na Naukite i Umetnostite. Oddelenie za Prirodo-Matematički Nauki. Prilozi. (Skopje)
- Management Sci.* Management Science. Journal of the Institute of Management Science. (Philadelphia, Pa.)
- Manuscripta Math.* Manuscripta Mathematica. (Berlin)
- Mari. Gos. Ped. Inst. Učen. Zap.* Mariiskii Gosudarstvennyi Pedagogičeskii Institut. Uchenye Zapiski. (Ioshkar-Ola)
- Mat. Časopis Sloven. Akad. Vied.* Matematički Časopis Slovenskeje Akademije Vied. (Bratislava)
- Mat.-Fys. Medd. Danske Vid. Selsk.* Matematiskfysiske Meddelelser udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)
- Mat.-Fys. Skr. Danske Vid. Selsk.* Matematiskfysiske Skrifter udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)
- Mat. Issled.* Akademiya Nauk Moldavskoi SSR. Institut Matematiki s Vychislitel'nym Centrom. Matematicheskie Issledovaniya. (Kishinev)
- Mat. Lapok.* Matematikai Lapok. Bolyai János Matematikai Társulat. (Budapest)
- Mat. Sb.* Matematicheskii Sbornik. Novaya Seriya. (Moscow) (Translated as: *Math. USSR-Sb.*)
- Mat. Vesnik.* Društvo Matematičara, Fizičara i Astronoma SRS i Matematički Institut-Beograd. Matematički Vesnik. Nova Seriya. (Belgrade)
- Mat. Zametki.* Akademiya Nauk Sojuzo SSR. Matematicheskie Zametki. (Moscow) (Translated as: *Math. Notes*)
- Matematiche (Catania).* Le Matematiche. (Catania)
- Matematika—Period. Sb. Perevodov Inostran. Statei.* Matematika. Periodičeskii Sbornik Perevodov Inostrannykh Statei. (Moscow)
- Math. Algorithms.* Massachusetts Institute of Technology. Mathematical Algorithms. (Cambridge, Mass.)
- Math. Ann.* Mathematische Annalen. (Berlin)
- *Math. Balkanica.* Mathematica Balkanica. (Belgrade)
- Math. Biosci.* Mathematical Biosciences: An International Journal. (New York)
- Math. Centrum Amsterdam Afd. Toegepaste Wisk.* Mathematisch Centrum Amsterdam. Afdeling Toegepaste Wiskunde. (Amsterdam)
- Math. Centrum Amsterdam Afd. Zuivere Wisk.* Mathematisch Centrum Amsterdam. Afdeling Zuivere Wiskunde. (Amsterdam)
- Math. Centrum Amsterdam Rekenafdeling.* Mathematisch Centrum Amsterdam. Rekenafdeling. (Amsterdam)
- Math. Chronicle.* Mathematical Chronicle. (Auckland)
- Math. Comp.* Mathematics of Computation. (Providence, R.I.)
- Math. Education.* The Mathematics Education. (Siwan)
- Math. Gaz.* The Mathematical Gazette. (London)
- Math. J. Okayama Univ.* Mathematical Journal of Okayama University. (Okayama)
- Math. Japon.* Mathematica Japonicae. (Kobe)
- Math. Mag.* Mathematics Magazine. (Buffalo, N.Y.)
- Math. Nachr.* Mathematische Nachrichten. (Berlin)
- Math. Notae.* Mathematicae Notae. Boletín del Instituto de Matemática. (Rosario)
- Math. Notes.* Mathematical Notes of the Academy of Sciences of the USSR. (New York) (Translation of *Mat. Zametki*)
- Math. Operationsforsch. Statist.* Mathematische Operationsforschung und Statistik. (Berlin)
- Math.-Phys. Semesterber.* Mathematisch-Physikalische Semesterberichte. (Göttingen)
- *Math. Programming.* Mathematical Programming. (Amsterdam)
- Math. Rep. College General Ed. Kyushu Univ.* Mathematical Reports of College of General Education Kyushu University. (Fukuoka)
- Math. Reviews.* Mathematical Reviews. (Providence, R.I.) (Usually abbreviated as *MR* in the text of *Math. Reviews*)
- Math. Scand.* Mathematica Scandinavica. (Copenhagen)
- Math. Sci. Humaines.* Centre de Mathématique Sociale et de Statistique EPHE. Mathématiques et Sciences Humaines. (Paris)
- Math. Seminar.* The Mathematics Seminar. (Delhi)
- Math. Student.* The Mathematics Student. (Madras)
- Math. Systems Theory.* Mathematical Systems Theory. (New York)
- Math. und Wirtschaft.* Mathematik und Wirtschaft. (Berlin)

ABBREVIATIONS OF NAMES OF JOURNALS

- Math. USSR-Izv.* Mathematics of the USSR-Izvestija. (Providence, R.I.) (Translation of *Izv. Akad. Nauk SSSR Ser. Mat.*)
- Math. USSR-Sb.* Mathematics of the USSR-Sbornik. (Providence, R.I.) (Translation of *Mat. Sb.*)
- Math. Z.* Mathematische Zeitschrift. (Berlin)
- Mathematica (Cluj).* Societatea de Științe Matematice și Fizice din R.P.R. Filiala Cluj. Mathematica. (Cluj)
- Mathematika.* Mathematika. A Journal of Pure and Applied Mathematics. (London)
- Matrix Tensor Quart.* The Tensor Club of Great Britain. The Matrix and Tensor Quarterly. (London)
- Meccanica—J. Italian Assoc. Theoret. Appl. Mech.* Meccanica. Journal of the Italian Association of Theoretical and Applied Mechanics. (Milan)
- Mech. Teoret. Stos.* Polskie Towarzystwo Mechaniki Teoretycznej i Stosowanej. Mechanika Teoretyczna i Stosowana. (Warsaw)
- Mechanics of Solids.* Mechanics of Solids. (New York) (Translation of *Inf. Ž. Meh. Tverd. Tela*)
- Med. Konink. Vlaamse Acad. Wetensch. Lett. Schone Kunst. België Kl. Wetensch.* Mededelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen. (Brussels)
- Medd. Lunds Univ. Mat. Sem.* Meddelanden från Lunds Universitets Matematiska Seminarium. Communications du Séminaire Mathématique de l'Université de Lund. (Lund)
- Mehanika-Period. Sb. Perevodov Inostran. Statei.* Mehanika Periodičeskij Sbornik Perevodov Inostrannyh Statei. (Moscow)
- Melekess. Gos. Ped. Inst. Učen. Zap.* Melekesskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Melekess)
- Mem. Accad. Sci. Torino Cl. Sci. Fis. Mat. Natur.* Memorie dell'Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Mem. Amer. Math. Soc.* Memoirs of the American Mathematical Society. (Providence, R.I.)
- Mem. Defense Acad.* Memoirs of the Defense Academy (Mathematics, Physics, Chemistry and Engineering) (Yokosuka)
- Mem. Ehime Univ. Natur. Sci. Ser. A.* Memoirs of the Ehime University. Natural Science. Series A. (Matsuyama)
- Mem. Fac. Ci. Univ. Habana Ser. Mat.* Memorias de la Facultad de Ciencias. Universidad de la Habana. Serie Matemática. (Havana)
- Mem. Fac. Ed. Kumamoto Univ. Sect. 1.* Memoirs of the Faculty of Education. Kumamoto University. Section 1. (Natural Science). (Kumamoto)
- Mem. Fac. Engrg. Hiroshima Univ.* Memoirs of the Faculty of Engineering. Hiroshima University. (Hiroshima)
- Mem. Fac. Engrg. Kyoto Univ.* Memoirs of the Faculty of Engineering. Kyoto University. (Kyoto)
- Mem. Fac. Engrg. Miyazaki Univ.* Memoirs of the Faculty of Engineering. Miyazaki University. (Miyazaki)
- Mem. Fac. Indust. Arts Kyoto Tech. Univ. Sci. and Tech.* Memoirs of the Faculty of Industrial Arts. Kyoto Technical University. Science and Technology. (Kyoto)
- Mem. Fac. Lit. Sci. Shimane Univ. Natur. Sci.* Memoirs of the Faculty of Literature and Science. Shimane University. Natural Sciences. (Matsue)
- Mem. Fac. Sci. Kyushu Univ. Ser. A.* Memoirs of the Faculty of Science. Kyushu University. Series A. Mathematics. (Fukuoka)
- Mem. Kitami Inst. Tech.* Memoirs of the Kitami Institute of Technology. (Kitami)
- Mem. Mat. Inst. "Jorge Juan".* Consejo Superior de Investigaciones Científicas. Memorias de Matemática del Instituto "Jorge Juan". (Madrid)
- Mem. Muroran Inst. Tech.* Memoirs of the Muroran Institute of Technology. (Muran)
- **Mem. Osaka Inst. Tech. Ser. A.* Memoirs of the Osaka Institute of Technology. Series A. Science & Technology. (Osaka)
- Mem. Osaka Kyoiku Univ. III Natur. Sci. Appl. Sci.* Memoirs of Osaka Kyoiku University. III. Natural Science and Applied Science. (Osaka)
- Mem. Real Acad. Ci. Art. Barcelona.* Memorias de la Real Academia de Ciencias y Artes de Barcelona. (Barcelona)
- Mem. Real Acad. Ci. Exact. Fis. Natur. Madrid.* Memorias de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid. Serie de Ciencias Exactas. (Madrid)
- Mem. School Sci. Engrg. Waseda Univ.* Memoirs of the School of Science and Engineering. Waseda University. (Tokyo)
- Mem. Soc. Astronom. Ital.* Memorie della Società Astronomica Italiana. (Milan)
- Mém. Soc. Roy. Sci. Liège Coll. in-8°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-8°. (Liège)
- Mémor. Sci. Math.* Mémorial des Sciences Mathématiques. (Paris)
- Mémor. Sci. Phys.* Mémorial des Sciences Physiques. (Paris)
- Metody - Vyčisl. Leningradskij Ordena Lenina Gosudarstvennyj Universitet imeni A. A. Ždanova. Kafedra Vyčislitel'noj Matematiki i Vyčislitel'nyj Centr. Metody Vyčislenij.* (Leningrad)
- Metrika.* Metrika. (Würzburg)
- Metroecon.* Metroeconomica. Rivista Internazionale di Economica. (Bologna)
- Metron.* Metron. (Rome)
- Michigan Math. J.* The Michigan Mathematical Journal. (Ann Arbor, Mich.)
- Mind.* Mind. A Quarterly Review of Psychology and Philosophy. (Oxford)
- Mitt. Math. Gesellsch. Hamburg.* Mitteilungen der mathematischen Gesellschaft in Hamburg. (Hamburg)
- Mitt. Math. Sem. Giessen.* Mitteilungen aus dem Mathematischen Seminar Giessen. (Giessen)
- Mitt. Verein. Schweiz. Versich.-Math.* Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaire Suisses. (Bern)
- Molecular Phys.* Molecular Physics. (London)
- Monatsb. Deutsch. Akad. Wiss. Berlin.* Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin. (Berlin)
- Monatsh. Math.* Monatshefte für Mathematik. (Vienna)
- Moscow Univ. Phys. Bull.* Moscow University Physics Bulletin. (New York) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- Moskov. Gos. Ped. Inst. Učen. Zap.* Moskovskij Gosudarstvennyj Pedagogičeskij Institut im. V. I. Lenina. Učenyje Zapiski. (Moscow)
- Moskov. Gos. Univ. Soobšč. Gos. Astronom. Inst. Šternberg.* Moskovskij Gosudarstvennyj Universitet im. M. V. Lomonosova. Soobščeniya Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Trudy Gos. Astronom. Inst. Šternberg.* Moskovskij Gosudarstvennyj Universitet im. M. V. Lomonosova. Trudy Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Voprosy Meh.* Moskovskij Gosudarstvennyj Universitet. Voprosy Mehaniki. (Moscow)

ABBREVIATIONS OF NAMES OF JOURNALS

- Moskov. Inst. Elektron. Mašinstroenija—Trudy MIEM.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya RSFSR. Moskovskii Institut Elektronnogo Mašinstroenija. Trudy MIEM. (Moscow)
- Moskov. Inst. Inž. Železnodorož. Transporta Trudy.* Moskovskii Institut Inženerov Železnodorožnogo Transporta. Trudy. (Moscow)
- Moskov. Oblast. Ped. Inst. Učen. Zap.* Moskovskii Oblastnoi Pedagogičeskii Institut. Učeny Zapiski. (Moscow)
- Moskov. Zaočn. Ped. Inst. Učen. Zap.* Moskovskii Zaočnyi Pedagogičeskii Institut. Učeny Zapiski. (Moscow)
- MR.* Mathematical Reviews. (Providence, R.I.)
- Muromsk. Gos. Ped. Inst. Učen. Zap.* Muromskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Vladimir)
- Nachr. Akad. Wiss. Göttingen Math.-Phys. Kl. II.* Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-Physikalische Klasse. (Göttingen)
- Nagoya Math. J.* Nagoya Mathematical Journal. (Nagoya)
- Nanta Math.* Nanyang University. Nanta Mathematica. (Singapore)
- Natur. Sci. Rep. Ochanomizu Univ.* Natural Science Report of the Ochanomizu University. (Tokyo)
- Naval Res. Logist. Quart.* Naval Research Logistics Quarterly. (Washington, D.C.)
- NEC Res. Development.* NEC Research and Development (Technical Journal of Nippon Electric Co., Ltd.). (Tokyo)
- Nederl. Akad. Wetensch. Indag. Math.* Koninklijke Nederlandse Akademie van Wetenschappen. Indagationes Mathematicae ex Actis Quibus Titulus. Proceedings of the Section of Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Proc. Ser. A*)
- Nederl. Akad. Wetensch. Proc. Ser. A.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series A. Mathematical Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Indag. Math.*)
- Nederl. Akad. Wetensch. Proc. Ser. B.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series B. Physical Sciences. (Amsterdam)
- Nederl. Akad. Wetensch. Verslag Afd. Natuurk.* Koninklijke Nederlandse Akademie van Wetenschappen. Verslag van de Gewone Vergadering van de Afdeling Natuurkunde. (Amsterdam)
- *Networks.* Networks. An International Journal. (New York)
- Nieuw Arch. Wisk.* Nieuw Archief voor Wiskunde. (Groningen)
- Nigerian J. Sci.* University of Ibadan. Nigerian Journal of Science. (Ibadan)
- Nordisk Mat. Tidskr.* Nordisk Matematisk Tidsskrift. (Oslo)
- Nordisk Tidskr. Informationsbehandling (BIT).* Nordisk Tidsskrift for Informationsbehandling. (Copenhagen)
- Norske Vid. Selsk. Forh. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Forhandlinger. (Trondheim)
- Norske Vid. Selsk. Skr. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Skrifter. (Trondheim)
- Notas Mat.* Notas de Matemática. (Rio de Janeiro)
- Notices Amer. Math. Soc.* Notices of the American Mathematical Society. (Providence, R.I.)
- Notre Dame J. Formal Logic.* Notre Dame Journal of Formal Logic. (Notre Dame, Ind.)
- Nova Acta Leopoldina (N.F.).* Nova Acta Leopoldina. Abhandlungen der Deutschen Akademie der Naturforscher Leopoldina. Neue Folge. (Leipzig)
- Novgorod. Golovn. Gos. Ped. Inst. Učen. Zap.* Novgorodskii Golovnoi Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Novgorod)
- NTM Schr. Geschichte Naturwiss. Tech. Medizin.* NTM Schriftenreihe für Geschichte der Naturwissenschaften Technik und Medizin. (Leipzig)
- Nuclear Phys.* Nuclear Physics. (Amsterdam)
- Numer. Math.* Numerische Mathematik. (Berlin)
- Nuovo Cimento A.* Il Nuovo Cimento A. (Bologna)
- Nuovo Cimento B.* Il Nuovo Cimento B. (Bologna)
- Obzornik Mat. Fiz. Društvo Matematikov, Fizikov in Astronomov SRS.* Obzornik za Matematiko in Fiziko. (Ljubljana)
- Operational Res. Quart.* Operational Research Quarterly. (Bristol)
- Operations Res.* Operations Research. The Journal of the Operations Research Society of America. (Baltimore, Md.) (Sometimes abbreviated as *OR* in *Math. Reviews*)
- Opsearch.* Opsearch. The Journal of the Operational Research Society of India. (Delhi)
- Optica Acta.* Optica Acta. (London)
- Optimal. Planirovanie.* Optimal'noe Planirovanie. Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. (Novosibirsk)
- OR.* Operations Research. The Journal of the Operations Research Society of America. (Baltimore, Md.)
- Orehovo-Zuev. Ped. Inst. Učen. Zap. Kaf. Mat.* Ministerstvo Prosveščenija RSFSR. Orekhovo-Zuevskii Pedagogičeskii Institut. Učeny Zapiski Kafedry Matematiki. (Moscow)
- Orenburg. Gos. Ped. Inst. Učen. Zap.* Orenburgskii Gosudarstvennyi Pedagogičeskii Institut im. V. P. Čkalova. Učeny Zapiski. (Cholbinsk)
- Organon.* Organon. Institut d'Histoire de la Science et de la Technique auprès de l'Académie Polonaise des Sciences. (Warsaw)
- Orlov. Gos. Ped. Inst. Učen. Zap.* Orlovskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Orel)
- Osaka J. Math.* Osaka Journal of Mathematics. (Osaka)
- Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II.* Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. Abteilung II. Mathematik, Astronomie, Physik, Meteorologie und Technik. (Vienna)
- PA.* Science Abstracts. Physics Abstracts. (London)
- Pacific J. Math.* Pacific Journal of Mathematics. (Berkeley, Calif.)
- Papers and Proc. Roy. Soc. Tasmania.* Papers and Proceedings of the Royal Society of Tasmania. (Hobart)
- Pattern Recognition.* The Journal of the Pattern Recognition Society. (New York/Oxford)
- Penz. Politehn. Inst. Učen. Zap. Mat. Meh.* Penzenskii Politehničeskii Institut. Matematika i Mehanika. Učeny Zapiski. (Penza)
- Period. Mat.* Periodico di Matematiche. (Bologna)
- *Period. Math. Hungar.* Periodica Mathematica Hungarica. Journal of the János Bolyai Mathematical Society. (Budapest)
- Perm. Gos. Ped. Inst. Učen. Zap.* Permskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Perm)
- Perm. Gos. Univ. Učen. Zap.* Permskii Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Učeny Zapiski. (Perm)
- Perm. Politehn. Inst. Sb. Naučn. Trudov.* Permskii Politehničeskii Institut. Sbornik Naučnyh Trudov. (Perm)
- Philos. Math.* Philosophia Mathematica. An International Journal for Philosophy of Modern Mathematics. (Hauppauge, N.Y.)
- Philos. Sci.* Philosophy of Science. (Baltimore, Md.)
- Philos. Trans. Roy. Soc. London Ser. A.* Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences. (London)
- Phys. Fluids.* The Physics of Fluids. (New York)
- Phys. Lett.* Physics Letters. (Amsterdam)
- Phys. Norveg.* Physica Norvegica. (Oslo)
- Phys. Rev. A.* Physical Review A. General Physics. (New York)

ABBREVIATIONS OF NAMES OF JOURNALS

- Phys. Rev. B.* Physical Review B. Solid State. (New York)
- Phys. Rev. C.* Physical Review C. Nuclear Physics. (New York)
- Phys. Rev. D.* Physical Review D. Particles and Fields. (New York)
- Phys. Rev. Lett.* Physical Review Letters. (New York)
- Phys. Status Solidi.* Physica Status Solidi. (Berlin) (Continued as: *Phys. Status Solidi (A)* and *Phys. Status Solidi (B)*)
- **Phys. Status Solidi (A).* Physica Status Solidi (A). Applied Research. (Berlin) (Formerly: *Phys. Status Solidi*)
- **Phys. Status Solidi (B).* Physica Status Solidi (B). Basic Research. (Berlin) (Formerly: *Phys. Status Solidi*)
- Physica.* Physica. (Amsterdam)
- Physics Abstracts.* Science Abstracts. Physics Abstracts. (London) (Usually abbreviated *PA* in the text of *Math. Reviews*)
- Physis—Riv. Internaz. Storia Sci.* Physis. Rivista Internazionale di Storia della Scienza. (Florence)
- Pi Mu Epsilon J.* Pi Mu Epsilon Journal. (Norman, Okla.)
- Pokroky Mat. Fyz. Astronom.* Jednota Československých Matematiků a Fyziku. Pokroky Matematiky, Fyziky a Astronomie. (Prague)
- Polaka Biblio. Analit. Mech.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Polska Bibliografia Analityczna. Mechanika. Polish Scientific Abstracts. Mechanics. (Warsaw)
- Portugal. Math.* Portugaliae Mathematica. (Lisbon)
- Portugal. Phys.* Portugaliae Physica. (Lisbon)
- Prace Inst. Automat. PAN.* Instytut Automatyki Polskiej Akademii Nauk. Prace. (Warsaw)
- Prace Inst. Maszyn Przepływowych.* Prace Instytutu Maszyn Przepływowych. Transactions of the Institute of Fluid-Flow Machinery. (Warsaw)
- Prakt. Akad. Athēnōn.* Πρακτικὴ τῆς Ἀκαδημίας Ἀθηνῶν. (Athens)
- Praxis Math.* Praxis der Mathematik. (Cologne)
- Pribl. Metod. Rešen. Differencial' Uravnen.* Približennyye Metody Resheniya Differentsial'nykh Uravneniy. (Kiev)
- Prikl. Mat. i Programmirovaniye.* Akademija Nauk Moldavskoi SSR. Institut Matematiki s Vychislitel'nym Centrom. Prikladnaja Matematika i Programmirovaniye. (Kishinev)
- Prikl. Mat. Meh.* Akademija Nauk SSSR. Otdelenie Tehnicheskikh Nauk. Institut Mehaniki. Prikladnaja Matematika i Mehanika. (Moscow) (Translated as: *J. Appl. Math. Mech.*)
- Prikladna. Meh.* Akademija Nauk Ukrainskoi SSR. Otdelenie Matematiki, Mehaniki i Kibernetiki. Prikladnaja Mehanika. (Kiev) (Translated as: *Soviet Appl. Mech.*)
- Primenen. Mat. Ekonom.* Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Ždanova. Kafedra i Laboratoriya Ekonomiko-Matematicheskikh Metodov. Primenenie Matematiki v Ekonomike. (Leningrad)
- Probleme der Kybernetik.* Probleme der Kybernetik. (Berlin) (Translation of *Problemy Kibernet.*)
- Problems of Information Transmission.* Problems of Information Transmission. (New York) (Translation of *Problemy Peredachi Informacii*)
- Problemy Kibernet.* Problemy Kibernetiki. (Moscow) (Translated as: *Systems Theory Res.*)
- Problemy Mat. Anal. Slof. Sistem.* Voronezhskii Gosudarstvennyi Universitet. Problemy Matematicheskogo Analiza Slozhnykh Sistem. (Voronezh)
- Problemy Peredachi Informacii.* Akademija Nauk SSSR. Institut Problem Peredachi Informacii Akademii Nauk SSSR. Problemy Peredachi Informacii. (Moscow) (Translated as: *Problems of Information Transmission*)
- Proc. Amer. Math. Soc.* Proceedings of the American Mathematical Society. (Providence, R.I.)
- Proc. Cambridge Philos. Soc.* Proceedings of the Cambridge Philosophical Society. (Cambridge, England)
- Proc. Edinburgh Math. Soc.* Proceedings of the Edinburgh Mathematical Society. (Edinburgh) (Contains *Proc. Edinburgh Math. Soc. Edinburgh Math. Notes*)
- Proc. Edinburgh Math. Soc. Edinburgh Math. Notes.* Proceedings of the Edinburgh Mathematical Society. Edinburgh Mathematical Notes. (Edinburgh) (Included in *Proc. Edinburgh Math. Soc.*)
- Proc. Fac. Engrg. Keio Univ.* Proceedings of the Fujihara Memorial Faculty of Engineering. Keio University. (Tokyo)
- Proc. Fac. Sci. Tokai Univ.* Proceedings of the Faculty of Science of Tokai University. (Tokyo)
- Proc. Indian Acad. Sci. Sect. A.* Proceedings of the Indian Academy of Sciences. Section A. (Bangalore)
- Proc. Indian Nat. Sci. Acad. Part A.* Proceedings of the Indian National Science Academy. Part A. Physical Sciences. (New Delhi)
- Proc. Inst. Statist. Math.* The Proceedings of the Institute of Statistical Mathematics. (Tokyo)
- Proc. Iowa Acad. Sci.* Proceedings of the Iowa Academy of Science. (Des Moines, Iowa)
- Proc. Japan Acad.* Proceedings of the Japan Academy. (Tokyo)
- Proc. London Math. Soc.* Proceedings of the London Mathematical Society. (London)
- Proc. Math. Phys. Soc. U.A.R. (Egypt).* Proceedings of the Mathematical and Physical Society of U.A.R. (Egypt). (Cairo)
- Proc. Nat. Acad. Sci. India Sect. A.* Proceedings of the National Academy of Sciences, India. Section—A. (Allahabad)
- Proc. Nat. Acad. Sci. U.S.A.* Proceedings of the National Academy of Sciences of the United States of America. (Washington, D.C.)
- Proc. Pakistan Statist. Assoc.* Proceedings of the Pakistan Statistical Association. (Lahore)
- Proc. Rajasthan Acad. Sci.* The Proceedings of the Rajasthan Academy of Sciences. (Pilani)
- Proc. Roy. Irish Acad. Sect. A.* Proceedings of the Royal Irish Academy. Section A. (Dublin)
- Proc. Roy. Soc. Edinburgh Sect. A.* Proceedings of the Royal Society of Edinburgh. Section A. (Mathematical and Physical Sciences). (Edinburgh)
- Proc. Roy. Soc. London Ser. A.* Proceedings of the Royal Society. London. Series A. Mathematical and Physical Sciences. (London) (May also appear as: *Proc. Roy. Soc. Ser. A*)
- Proc. Roy. Soc. Ser. A.* Proceedings of the Royal Society. Series A. Mathematical and Physical Sciences. (London) (May also appear as: *Proc. Roy. Soc. London Ser. A*)
- Proc. Steklov Inst. Math.* Proceedings of the Steklov Institute of Mathematics. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- Proc. (Trudy) P. N. Lebedev Phys. Inst.* Proceedings (Trudy) of the P. N. Lebedev Physics Institute. (New York/London) (Translation of *Trudy Fiz. Inst. Lebedev.*)
- Proc. Vibration Problems.* Polish Academy of Sciences. Institute of Basic Technical Problems. Proceedings of Vibration Problems. (Warsaw)
- Proc. West Virginia Acad. Sci.* West Virginia University Bulletin. West Virginia Academy of Science. Proceedings. (Morgantown, W. Va.)
- Progr. Math.* See *Shuzue Jinzhan.*
- Progr. Math. (Allahabad).* Academy for Progress of Mathematics of the University of Allahabad. Progress of Mathematics. (Allahabad)

ABBREVIATIONS OF NAMES OF JOURNALS

- Progr. Theoret. Phys.* Progress of Theoretical Physics. (Kyoto)
- Przegląd Statyst.* Sekoja Statystyki Polskiego Towarzystwa Ekonomicznego. Przegląd Statystyczny. (Warsaw)
- Pskov. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Ministerstvo Prosveshcheniya RSFSR. Pskovskii Pedagogicheskii Institut. Fiziko-Matematicheskii Fakul'tet. Uchenye Zapiski. (Pskov)
- Psychometrika.* Psychometrika. A Journal Devoted to the Development of Psychology as a Quantitative Rational Science. (Chapel Hill, N.C.)
- Pubbl. IAC.* IAC. Istituto per le Applicazioni del Calcolo del Consiglio Nazionale delle Ricerche. Pubblicazioni. (Rome)
- Publ. Dép. Math. (Lyon).* Publications du Département de Mathématiques. Faculté des Sciences de Lyon. (Lyon)
- Publ. Dept. Math. (Ljubljana).* University of Ljubljana. Institute of Mathematics, Physics and Mechanics. Publications of the Department of Mathematics. (Ljubljana)
- Publ. Inst. Math. (Beograd).* Institut Mathématique. Publications de l'Institut Mathématique. Nouvelle Série. (Belgrade)
- Publ. Inst. Statist. Univ. Paris.* Publications de l'Institut de Statistique de l'Université de Paris. (Paris)
- Publ. Math. Debrecen.* Publicationes Mathematicae. (Debrecen)
- Publ. Ramanujan Inst.* Publications of the Ramanujan Institute. (Madras)
- Publ. Res. Inst. Math. Sci.* Publications of the Research Institute for Mathematical Sciences. (Kyoto)
- Publ. Sémin. Géom. Univ. Neuchâtel.* Publications du Séminaire de Géométrie de l'Université de Neuchâtel. (Neuchâtel)
- Punjab Univ. J. Math. (Lahore).* Punjab University Journal of Mathematics. (Lahore)
- Quart. Appl. Math.* Quarterly of Applied Mathematics. (Providence, R.I.)
- Quart. J. Math. Oxford Ser.* The Quarterly Journal of Mathematics, Oxford Second Series. (Oxford)
- Quart. J. Mech. Appl. Math.* The Quarterly Journal of Mechanics and Applied Mathematics. (Oxford)
- RAAG Res. Notes.* RAAG Research Notes. (Tokyo)
- Rad Jugoslav. Akad. Znan. Umjet.* Rad Jugoslavenske Akademije Znanosti i Umjetnosti. (Zagreb)
- Radio Engng. Electron. Phys.* Radio Engineering and Electronic Physics. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekhn. i Elektron.*)
- Radio Sci.* Radio Science. (Washington, D.C.)
- Radiophys. and Quantum Electronics.* Radiophysics and Quantum Electronics. (A translation of the *Izvestiya Vysish Uchebnykh Zavedenii Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vys. Ucheb. Zaved. Radiofizika*)
- Radiotekhn. (Har'kov).* Har'kovskii Ordena Trudovogo Krasnogo Znameni Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Radiotekhnika. (Kharkov)
- Radiotekhn. i Elektron. Akademija Nauk SSSR.* Radiotekhnika i Elektronika. (Moscow) (Translated as: *Radio Engng. Electron. Phys.*)
- Rajasthan Univ. Studies Statist.* Rajasthan University Studies in Statistics (Science Series). (Rajasthan)
- Ranchi Univ. Math. J.* Ranchi University Mathematical Journal. (Ranchi)
- Ratio.* Ratio. (Oxford)
- Recherche Aérospat.* La Recherche Aérospatiale. (Châtillon)
- *Regelungstech. Prozess-Datenverarbeit.* Regelungstechnik und Prozess-Datenverarbeitung. Zeitschrift für Steuern, Regeln und Automatisieren. (Munich)
- Rend. Accad. Sci. Fis. Mat. Napoli.* Società Nazionale di Napoli. Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche. (Naples)
- Rend. Circ. Mat. Palermo.* Rendiconti del Circolo Matematico di Palermo. (Palermo)
- Rend. Ist. Mat. Univ. Trieste.* Rendiconti dell'Istituto di Matematica dell'Università di Trieste. (Trieste)
- Rend. Mat.* Rendiconti di Matematica. Università degli Studi di Roma. Istituto Matematica Guido Castelnuovo. Istituto di Matematica Applicata. Istituto Nazionale di Alta Matematica. (Rome)
- Rend. Sem. Fac. Sci. Univ. Cagliari.* Rendiconti del Seminario della Facoltà di Scienze della Università di Cagliari. (Cagliari)
- Rend. Sem. Mat. Fis. Milano.* Rendiconti del Seminario Matematico e Fisico di Milano. (Milan)
- Rend. Sem. Mat. Messina.* Rendiconti del Seminario Matematico di Messina. (Messina)
- Rend. Sem. Mat. Univ. Padova.* Rendiconti del Seminario Matematico dell'Università di Padova. (Padua)
- Rep. Comput. Centre Univ. Tokyo.* Report of the Computer Centre. University of Tokyo. (Tokyo)
- Rep. Fac. Sci. Kagoshima Univ.* Reports of the Faculty of Science of Kagoshima University. (Kagoshima)
- Rep. Fac. Sci. Shizuoka Univ.* Reports of the Faculty of Science. Shizuoka University. (Shizuoka)
- Rep. Inst. Sci. Tech. Univ. Tokyo.* The Reports of the Institute of Science and Technology, University of Tokyo. (Tokyo)
- Rep. Mathematical Phys.* Reports on Mathematical Physics. (Amsterdam/Warsaw)
- Rep. Statist. Appl. Res. Un. Japan. Sci. Engrs.* Reports of Statistical Application Research, Union of Japanese Scientists and Engineers. (Tokyo)
- Rep. Univ. Electro-Commun.* Reports of the University of Electro-Communications. (Tokyo)
- República Venezuela Bol. Acad. Ci. Fis. Mat. Natur.* República de Venezuela. Boletín de la Academia de Ciencias Físicas, Matemáticas y Naturales. (Caracas)
- Res. Bull. Fac. Ed. Oita Univ.* The Research Bulletin of the Faculty of Education. Oita University. (Oita)
- Res. Bull. Panjab Univ.* Research Bulletin of the Panjab University. (Chandigarh)
- Res. Rep. Anan Tech. College.* Research Reports of the Anan Technical College. (Anan)
- Res. Rep. Nagaoka Tech. College.* Research Reports of the Nagaoka Technical College. (Nagaoka)
- Res. Rep. Tokyo Electrical Engng. College.* Research Reports of Tokyo Electrical Engineering College. (Tokyo)
- Rev. Acad. Ci. Madrid.* Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid. (Madrid)
- Rev. Acad. Ci. Zaragoza.* Revista de la Academia de Ciencias Exactas, Físico-Químicas y Naturales de Zaragoza. (Zaragoza)
- Rev. CETHEDEC.* Revue du Centre d'Études Théoriques de la Détection et des Communications. (Paris)
- Rev. Ci. (Lima).* Revista de Ciencias. (Lima)
- *Rev. Ci. Mat. Univ. Lourenço Marques Sér. A.* Revista de Ciências Matemáticas. Universidade de Lourenço Marques. Série A. (Lourenço Marques)
- *Rev. Ci. Mat. Univ. Lourenço Marques Sér. B.* Revista de Ciências Matemáticas. Universidade de Lourenço Marques. Série B. (Lourenço Marques)
- Rev. Colombiana Mat.* Revista Colombiana de Matemáticas. (Bogotá)

ABBREVIATIONS OF NAMES OF JOURNALS

- Rev. Fac. Ci. Univ. Coimbra.* Revista de Faculdade de Ciências da Universidade de Coimbra. (Coimbra)
- Rev. Française Informat. Recherche Opérationnelle.* Association Française d'Informatique et de Recherche Opérationnelle. Revue Française d'Informatique et de Recherche Opérationnelle. (Paris)
- Rev. Histoire Sci. Appl.* Revue d'Histoire des Sciences et de leurs Applications. (Paris)
- Rev. Inst. Internat. Statist.* Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague)
- **Rev. Mat. Sociedad Matemática Mexicana.* Revista Matemática. (Mexico City)
- Rev. Mat. Hisp.-Amer.* Revista Matemática Hispano-Americana. (Madrid)
- Rev. Mexicana Fis.* Revista Mexicana de Física. (Mexico City)
- Rev. Modern Phys.* Reviews of Modern Physics. (New York)
- Rev. Roumaine Math. Pures Appl.* Académie de la République Populaire Roumaine. Revue Roumaine de Mathématiques Pures et Appliquées. (Bucharest)
- Rev. Roumaine Phys.* Revue Roumaine de Physique. (Bucharest)
- Rev. Roumaine Sci. Tech. Sér. Électrotech. Énergét.* Revue Roumaine des Sciences Techniques. Série Électrotechnique et Énergétique. (Bucharest)
- Rev. Roumaine Sci. Tech. Sér. Méc. Appl.* Revue Roumaine des Sciences Techniques. Série de Mécanique Appliquée. (Bucharest)
- Rev. Un. Mat. Argentina.* Revista de la Unión Matemática Argentina. (Buenos Aires)
- Rice Univ. Studies.* Rice University Studies. (Houston, Tex.)
- Ricerca (Napoli).* La Ricerca. Rivista di Matematiche Pure ed Applicate. (Naples)
- Ricerche Mat.* Ricerche di Matematica. (Naples)
- Rīgas Politehn. Inst. Zinātn. Raksti.* Rīgas Politehniskais Institūts. Rīzskā Politehniskā Institūta. Učēnye Zapiski. Rīgas Politehniskais Institūts Zinātniskie Raksti. (Riga)
- Riv. Mat. Univ. Parma.* Rivista di Matematica della Università di Parma. (Parma)
- Riv. Nuovo Cimento.* Rivista del Nuovo Cimento. (Bologna)
- Rīzsk. Inst. Inž. Graždan. Aviāci.* Rīzskā Institūts Inženieru Graždanu Aviācijai imeni Leninskogo Komsomola. (Riga)
- Rjazzansk. Gos. Ped. Inst. Učen. Zap.* Rjazzanskij Gosudarstvennyj Pedagogičeskij Institut. Učēnye Zapiski. (Ryazan)
- Rocky Mountain J. Math.* The Rocky Mountain Journal of Mathematics. (Missoula, Mont.)
- Rostov-na-Donu Gos. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Rostovskij-na-Donu Gosudarstvennyj Pedagogičeskij Institut. Fiziko-Matematičeskij Fakul'tet. Učēnye Zapiski. (Rostov-on-Don)
- Rostov-na-Donu Gos. Univ. Učen. Zap.* Rostovskij-na-Donu Gosudarstvennyj Universitet. Učēnye Zapiski. (Ordzhonikidze)
- Rozprawy Československé Akad. Věd. Řada Mat. Přirod. Věd.* Rozprawy Československé Akademie Věd. Řada Matematických a Přírodních Věd. (Prague)
- Rozprawy Elektrotech.* Polska Akademia Nauk. Instytut Technologii Elektronowej. Rozprawy Elektrotechniczne. (Warsaw)
- Rozprawy Inż.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Rozprawy Inżynierskie. (Warsaw)
- Rozprawy Politech. Poznań.* Politechnika Poznańska. Rozprawy. (Poznań)
- Russian Math. Surveys.* Russian Mathematical Surveys. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematicheskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- RZAutomat. Telemek. i Vyčisl. Tehn.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyi Žurnal. Avtomatika, Telemekhanika i Vyčislitel'naja Tehnika. (Moscow)
- RZFiz.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyi Žurnal. Fizika. (Moscow)
- RZKibernet.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyi Žurnal. Kibernetika. (Moscow)
- RZMat.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyi Žurnal. Matematika. (Moscow)
- RZMeh.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyi Žurnal. Mehanika. (Moscow)
- Sakharth. SSR Mecn. Akad. Gamothvl. Centr. Šrom.* Sakharthvelos SSR Mecnierebatha Akademis Gamothvlithi Centris Šromebi. (Tbilisi) (Formerly listed as: *Trudy Vyčisl. Centra Akad. Nauk Gruzin. SSR*)
- Sakharth. SSR Mecn. Akad. Math. Inst. Šrom.* Sakharthvelos SSR Mecnierebatha Akademia A. Razmadzis Sahelebis Tbilisis Matematikis Institutis. Šromebi. (Tbilisi) (Formerly listed as: *Akad. Nauk Gruzin. SSR. Trudy Tbilis. Mat. Inst. Razmadze*)
- Sakharth. SSR Mecn. Akad. Moambe.* Sakharthvelos SSR Mecnierebatha Akademis Moambe. (Tbilisi) (Formerly listed as: *Soobš. Akad. Nauk Gruzin. SSR*)
- Sankhyā Ser. A.* Sankhyā (Statistics). The Indian Journal of Statistics. Series A. (Calcutta)
- Sankhyā Ser. B.* Sankhyā (Statistics). The Indian Journal of Statistics. Series B. (Calcutta)
- Saratov. Gos. Ped. Inst. Učen. Zap.* Saratovskij Gosudarstvennyj Pedagogičeskij Institut. Učēnye Zapiski. (Saratov)
- S.-B. Berlin. Math. Gesellsch.* Sitzungsberichte der Berliner Mathematischen Gesellschaft. (Berlin)
- S.-B. Heidelberger Akad. Wiss. Math.-Natur. Kl.* Sitzungsberichte der Heidelberger Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. (Heidelberg)
- S.-B. Sachs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Sitzungsberichte der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-naturwissenschaftliche Klasse. (Berlin)
- Sb. Prací Ped. Fak. v Ostravě Ser. A.* Sborník Prací Pedagogické Fakulty v Ostravě. Seria A. (Ostrava)
- Sb. Prací Přirodověd. Fak. Univ. Palackého v Olomouci.* Sborník Prací Přirodovědecké Fakulty University Palackého v Olomouci. (Prague)
- Sb. Prací Vys. Školy Doprav. v Žilíně a Výzkum. Ústav. Doprav. v Praze.* Sborník Prací Vysoké Školy Dopravní v Žilíně a Výzkumního Ústavu Dopravního v Praze. (Prague)
- Sb. Voj. Akad. (Brno).* Sborník Vojenské Akademie Antonína Zápotockého. (Brno)
- Sb. Vysoké. Učení Tech. Brno.* Sborník Vysokého Učení Technického v Brně. (Brno)
- Schr. Math. Inst. Univ. Münster.* Schriftenreihe des Mathematischen Instituts der Universität Münster. (Münster)
- Sci. Abstracts China Sect. Math. Phys. Sci.* Institute of Scientific and Technical Information of China. Science Abstracts of China. Mathematical and Physical Sciences. (Peking)
- Sci. Hist. Scientiarum Historia.* Driemaandelijks Tijdschrift voor de Geschiedenis van de Geneeskunde, Wiskunde en Natuurwetenschappen. (Antwerp)
- Sci. Papers College Gen. Ed. Univ. Tokyo.* Scientific Papers of the College of General Education. University of Tokyo. (Tokyo)
- Sci. Rep. College Gen. Ed. Osaka Univ.* Science Reports. College of General Education. Osaka University. (Osaka)
- Sci. Rep. Fac. Ed. Gifu Univ. Natur. Sci.* Science Reports of the Faculty of Education. Gifu University. (Natural Science). (Gifu)
- Sci. Rep. Hiroaki Univ.* Science Reports of the Hiroaki University. (Hiroaki)

ABBREVIATIONS OF NAMES OF JOURNALS

Sci. Rep. Kanazawa Univ. The Science Reports of the Kanazawa University. (Kanazawa)

Sci. Rep. Niigata Univ. Ser. A. Science Reports of Niigata University. Series A (Mathematics). (Niigata)

Sci. Rep. Res. Inst. Theoret. Phys. Hiroshima Univ. Scientific Reports of the Research Institute for Theoretical Physics, Hiroshima University. (Hiroshima)

Sci. Rep. Saitama Univ. Ser. A. The Science Reports of the Saitama University. Series A. Mathematics, Physics and Chemistry. (Urawa)

Sci. Rep. Tokyo Kyoiku Daigaku Sect. A. Science Reports of the Tokyo Kyoiku Daigaku (Tokyo University of Education). Section A. (Tokyo)

Sci. Rep. Yokohama Nat. Univ. Sect. I. Science Reports of the Yokohama National University. Section I. Mathematics, Physics. (Yokohama)

Sci. Sinica. Scientia Sinica. (Peking)

Scientia (Valparaiso). Universidad Técnica Federico Santa Maria. Scientia. (Valparaiso)

Scripta Math. Scripta Mathematica. A Quarterly Journal Devoted to the Philosophy, History, and Expository Treatment of Mathematics. (New York)

Sem. Inst. Prikl. Mat. Annotac. Doklady. (Tbilisi) See Gamqeneb. *Math. Inst. Sem. Mohsen. Anotacie.*

Sem. Math. V. A. Steklov Math. Inst. Leningrad. Seminars in Mathematics V. A. Steklov Mathematical Institute Leningrad. (New York) (Translation of *Zap. Naučn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI)*)

Semigroup Forum. Semigroup Forum. (New York)

Shengxue Xuebao. See *Acta Acust. Sinica.*

Shuxue Jinzhan. Chinese Mathematical Society. Academia Sinica. Shuxue Jinzhan (Progress in Mathematics). (Peking)

SIAM J. Appl. Math. SIAM Journal on Applied Mathematics. (Philadelphia, Pa.)

SIAM J. Control. SIAM Journal on Control. (Philadelphia, Pa.)

SIAM J. Math. Anal. SIAM Journal on Mathematical Analysis. (Philadelphia, Pa.)

SIAM J. Numer. Anal. SIAM Journal on Numerical Analysis. (Philadelphia, Pa.)

SIAM Rev. SIAM Review. A Publication of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.)

Siberian Math. J. Siberian Mathematical Journal. (New York) (Translation of *Sibirsk. Mat. Ž.*)

Sibirsk. Mat. Ž. Akademija Nauk SSSR. Sibirskoe Otdelenie. Sibirskii Matematicheskii Zhurnal. (Moscow) (Translated as: *Siberian Math. J.*)

Simon Stevin. Simon Stevin. Wis- en Natuurkundig Tijdschrift. (Groningen-Djakarta)

Skand. Aktuarietidskr. Skandinavisk Aktuarietidskrift. (Uppsala)

Skr. Norske Vid.-Akad. Oslo I. Skrifter Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse. (Oslo)

Smolensk. Gos. Ped. Inst. Učen. Zap. Smolenskii Gosudarstvennyi Pedagogicheskii Institut. Učeny Zapiski. (Smolensk)

Soc. Actuar. Trans. Society of Actuaries. Transactions. (Chicago, Ill.)

Soc. Sci. Fenn. Comment. Phys.-Math. Societas Scientiarum Fennica. Commentationes Physico-Mathematicae. (Helsinki)

Soobšč. Akad. Nauk Gruzin. SSR. Soobščeniia Akademii Nauk Gruzinskoi SSR. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Moambe.*

Soobšč. Vyčisl. Mat. Akademija Nauk SSSR. Vyčislitel'nyi Centr. Soobščeniia po Vyčislitel'noi Matematike. (Moscow)

South African Statist. J. South African Statistical Journal. (Cape Town)

Soviet Aeronaut. Soviet Aeronautics. (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Aviacion. Tehn.*)

Soviet Appl. Mech. Soviet Applied Mechanics. (New York) (Translation of *Prikladna. Meh.*)

Soviet Astronom. AJ. Soviet Astronomy. AJ. (A translation of *Astronomičeskii Žurnal*, the astronomical journal of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Ž.*)

Soviet Automat. Control. Soviet Automatic Control. (New York) (Translation of *Avtomatika*)

Soviet J. Nuclear Phys. American Institute of Physics. Soviet Journal of Nuclear Physics. (New York) (Translation of *Jadernaja Fiz.*)

Soviet Math. Dokl. Soviet Mathematics. Doklady. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)

Soviet Physics Acoust. Soviet Physics. Acoustics. (A translation of *Akustičeskii Žurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Ž.*)

Soviet Physics Dokl. Soviet Physics. Doklady. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)

Soviet Physics J. Soviet Physics Journal. (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Fizika*)

Soviet Physics JETP. Soviet Physics. JETP. (A translation of *Ž. Eksperimental'noi i Teoreticheskoi Fiziki* of the USSR). (New York) (Translation of *Ž. Eksper. Teoret. Fiz.*)

Spisy Ped. Fak. v Ostravě. Spisy Pedagogické Fakulty v Ostravě. (Ostrava)

Spisy Přírod. Fak. Univ. Brno. Spisy Přírodovědecké Fakulty University v Brně. Trudy Estestvenno-Istoricheskogo Fakul'teta Universiteta v g. Brno. Publications de la Faculté des Sciences de l'Université à Brno. (Brno)

Statist. Izv. NRB'lgarija. D'ržavno Upravljenje za Informacija pri Ministerskija S'vet. Statističeski Izvestija. (Sofia)

Statist. Theory Method Abstracts. Statistical Theory and Method Abstracts. (London) (Usually abbreviated as *STMA* in the text of *Math. Reviews*)

Statistica (Bologna). Statistica. (Bologna)

Statistica Neerlandica. Statistica Neerlandica. Orgaan van de Vereniging voor Statistiek. (The Hague)

Statistika (Sofia). D'ržavno Upravljenje za Informacija pri Ministerskija S'vet. (Sofia)

STMA. Statistical Theory and Method Abstracts. (London)

Stroje na Zpracování Informací. Československá Akademie Věd. Výzkumný Ústav Matematických Strojů. Research Institute of Mathematical Machines. Issledovatel'skii Institut Matematicheskikh Mašin. Stroje na Zpracování Informací. (Prague)

Stud. Cerc. Econom. Studii și Cercetări Economice. (Bucharest)

**Stud. Cerc. Fiz.* Studii și Cercetări de Fizică. (Bucharest)

Stud. Cerc. Mat. Studii și Cercetări Matematice. (Bucharest)

Stud. Cerc. Mec. Apl. Studii și Cercetări de Mecanică Aplicată. (Bucharest)

Studia Leibnitiana. Studia Leibnitiana. Vierteljahrsschrift für Philosophie und Geschichte der Wissenschaften. (Wiesbaden)

Studia Logica. Polska Akademia Nauk. Komitet Filozoficzny. Studia Logica. (Warsaw)

Studia Math. Polska Akademia Nauk. Studia Mathematica. (Warsaw)

Studia Sci. Math. Hungar. Consilium Instituti Mathematici Academiae Scientiarum Hungaricae. Studia Scientiarum Mathematicarum Hungarica. (Budapest)

ABBREVIATIONS OF NAMES OF JOURNALS

- Studia Univ. Babeş-Bolyai Ser. Math.-Mech.* *Studia Universitatis Babeş-Bolyai. Series Mathematica-Mechanica.* (Cluj)
- Studia Univ. Babeş-Bolyai Ser. Phys.* *Studia Universitatis Babeş-Bolyai. Series Physica.* (Cluj)
- Studies in Appl. Math.* *Studies in Applied Mathematics.* (Cambridge, Mass.)
- Sudhoffs Arch.* *Sudhoffs Archiv für Geschichte der Medizin und der Naturwissenschaften.* (Wiesbaden)
- Sûgaku.* *Mathematical Society of Japan. Sûgaku (Mathematics).* (Tokyo)
- Sûgakushi Kenkyû.* *History of Mathematics Society of Japan. Sûgakushi Kenkyû (Journal of History of Mathematics of Japan).* (Tokyo)
- Su-hak kwa Mul-li.* *Academy of Science of the People's Democratic Republic of Korea. Research Center for Physics and Mathematics. Su-hak kwa Mul-li (Mathematics and Physics).* (Pyongyang)
- Sverdlovsk. Gos. Ped. Inst. Učen. Zap.* *Sverdlovskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski.* (Sverdlovsk)
- Synthese.* *Synthese. An International Journal for Epistemology, Methodology and Philosophy of Science.* (Dordrecht)
- Systems and Control.* *Systems and Control (Shisutemu to Seigyo).* (Kyoto) (Formerly: *J. Japan Assoc. Automat. Control Engrs.*)
- Systems Theory Res.* *Systems Theory Research.* (New York) (Translation of *Problemy Kibernet.*)
- Sigma—Mat.-Közgazdasági Polyóirat.* *Sigma. Matematikai-Közgazdasági Polyóirat.* (Budapest)
- Tadžik. Gos. Univ. Učen. Zap.* *Tadžikskii Gosudarstvennyi Universitet im. V. I. Lenina. Učenyje Zapiski. Trudy Fiziko-Matematičeskogo Fakulteta. Serija Matematičeskaja.* (Dushanbe)
- Tadžik. S.-h. Inst. Trudy.* *Tadžikskii Sel'skhozjaistvennyi Institut i Tadžikskii Gosudarstvennyi Universitet. Trudy.* (Dushanbe)
- Tallin. Politehn. Inst. Toimetised Seer. A.* *Tallinna Politehnilise Instituudi Toimetised Seeria A.* (Tallin)
- Tamkang J.* *Tamkang Journal.* (Taipei)
- Tamkang J. Math.* *Tamkang Journal of Mathematics.* (Taipei)
- Táp San Toán-lý.* *Ban Toán-lý. Ủy Ban Khoa Học Và Kỹ Thuật Nhà Nước.* (Hanoi)
- Tartu Riikl. Ül. Toimetised.* *Tartu Riikliku Ülikooli Toimetised. Učenyje Zapiski Tartuskogo Gosudarstvennogo Universiteta. Matematika-Loodusteaduskonna Töid. Trudy Estestvenno-Matematičeskogo Fakulteta.* (Tartu)
- Taşkent. Gos. Ped. Inst. Učen. Zap.* *Ministerstvo Prosveščeniya Uzbekskoi SSR. Taškentskii Gosudarstvennyi Pedagogičeskii Institut im. Nizami. Učenyje Zapiski.* (Tashkent)
- Taşkent. Gos. Univ. Naučn. Trudy.* *Taşkentskii Gosudarstvennyi Universitet. Naučnye Trudy.* (Tashkent)
- Taşkent. Politehn. Inst. Naučn. Trudy.* *Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya. Taškentskii Politehničeskii Institut. Naučnye Trudy. Novaja Serija.* (Tashkent)
- Taşkent. Tekstil. Inst. Kaf. Vyss. Mat. Sb. Naučn.-Issled. Rabot Ser. Mat.* *Taşkentskii Tekstil'nyi Institut. Kafedra Vysshej Matematiki. Sbornik Naučno-Issledovatel'skikh Rabot. Serija Matematiki.* (Tashkent)
- Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy.* (Tbilisi) See *Tbiliss. Sahelmc. Univ. Gamogenez. Math. Inst. Šrom.*
- Tbiliss. Gos. Univ. Trudy Ser. Fiz. Nauk.* *Tbilisskii Gosudarstvennyi Universitet. Trudy. Serija Fizičeskikh Nauk.* (Tbilisi) See *Tbiliss. Sahelmc. Univ. Šrom. Fiz. Mecn. Ser.*
- Tbiliss. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk.* *Tbilisskii Gosudarstvennyi Universitet. Trudy. Serija Mehaniko-Matematičeskikh Nauk.* (Tbilisi) See *Tbiliss. Sahelmc. Univ. Šrom. Mekh.-Math. Mecn. Ser.*
- Tech. Rep. Engrg. Res. Inst. Kyoto Univ.* *Technical Reports of the Engineering Research Institute. Kyoto University.* (Kyoto)
- Tech. Rep. Osaka Univ.* *Technology Reports of the Osaka University.* (Osaka)
- Technikgeschichte.* *Technikgeschichte. Verein Deutscher Ingenieure.* (Düsseldorf)
- Technometrics.* *Technometrics. A Journal of Statistics for the Physical, Chemical and Engineering Sciences.* (Princeton, N.J.)
- Tellus.* *Svenska Geofysiska Föreningen. Tellus. A Quarterly Journal of Geophysics.* (Uppsala)
- Tensor.* *Tensor. New Series. The Tensor Society.* (Tokyo)
- Teor. Funkcii Funkcional. Anal. i Prilozhen.* *Har'kovskii Ordena Trudovogo Krasnogo Znamenii Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Teoriya Funkcii, Funkcional'nyi Analiz i ih Prilozheniya.* (Kharkov)
- Teor. Veroyatnost. i Mat. Statist.* *Teoriya Veroyatnostei i Matematicheskaya Statistika.* (Kiev)
- Teor. Veroyatnost. i Primenen.* *Akademija Nauk SSSR. Teoriya Veroyatnostei i ee Primeneniya.* (Moscow) (Translated as: *Theor. Probability Appl.*)
- Teoret. Elektrotehn.* *L'vovskii Gosudarstvennyi Universitet. Teoreticheskaja Elektrotehnika.* (Lvov)
- Teoret. i Prikl. Meh.* *B'lgarska Akademija na Naukite. Teoretična i Prikladna Mehanika.* (Sofia)
- Teoret. Mat. Fiz.* *Akademija Nauk SSSR. Teoreticheskaja i Matematicheskaja Fizika.* (Moscow)
- Teoret. Prikl. Mat.* *MVSSO URSS L'vivskii Ordena Lenina Deržavnii Universitet imeni Iv. Franka. Teoretična i Prikladna Matematika.* (Lvov)
- TESLA Electronics.* *TESLA Electronics. Quarterly Review of Czechoslovak Electronics and Telecommunications.* (Prague)
- Thalès.* *Thalès. Recueil Annuel des Travaux de l'Institut d'Histoire des Sciences et des Techniques de l'Université de Paris.* (Paris)
- Tbiliss. Sahelmc. Univ. Gamogenez. Math. Inst. Šrom.* *Tbiliss Sahelmcipho Universiteti Gamogenezbithi Matematikis Instituti Šromebi.* (Tbilisi) (Also listed as: *Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy*)
- Tbiliss. Sahelmc. Univ. Šrom. Mekh.-Math. Mecn. Ser.* *Tbiliss Sahelmcipho Universiteti. Šromebi. Mekhanika-Matematikis Mecniorebatha Seria.* (Tbilisi) (Formerly listed as: *Tbiliss. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk*)
- Tbiliss. Sahelmc. Univ. Šrom. Fiz. Mecn. Ser.* *Tbiliss Sahelmcipho Universiteti. Šromebi. Fizikis Mecniorebatha Seria.* (Tbilisi) (Formerly listed as: *Tbiliss. Gos. Univ. Trudy Ser. Fiz. Nauk*)
- Theor. Probability Appl.* *Theory of Probability and its Applications.* (An English translation of the Soviet journal *Teoriya Veroyatnostei i ee Primeneniya*). (Philadelphia, Pa.) (Translation of *Teor. Veroyatnost. i Primenen.*)
- *Theoret. Population Biology.* *Theoretical Population Biology.* (New York)
- Theoria.* *Theoria. A Swedish Journal of Philosophy.* (Lund)
- Tiraspol. Gos. Ped. Inst. Učen. Zap.* *Tiraspol'skii Gosudarstvennyi Pedagogičeskii Institut im. T. G. Ševčenko. Učenyje Zapiski.* (Kishinev)
- Tjumen. Gos. Ped. Inst. Učen. Zap.* *Ministerstvo Prosveščeniya RSFSR. Tjumenskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski.* (Tyumen)
- Tôhoku Math. J.* *The Tôhoku Mathematical Journal.* (Sendai)
- Tomsk. Gos. Univ. Učen. Zap.* *Tomskii Gosudarstvennyi Universitet im. V. V. Kuibysheva. Učenyje Zapiski.* (Tomsk)
- Topology.* *Topology. An International Journal of Mathematics.* (Oxford)
- Trabajos Estadist.* *Trabajos de Estadística.* (Madrid)

ABBREVIATIONS OF NAMES OF JOURNALS

Trans. Amer. Math. Soc. Transactions of the American Mathematical Society. (Providence, R.I.)

Trans. ASME Ser. E. J. Appl. Mech. Transactions of the ASME. Series E. Journal of Applied Mechanics. (New York)

Trans. Moscow Math. Soc. Transactions of the Moscow Mathematical Society. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obšč.*)

Trans. New York Acad. Sci. Transactions of the New York Academy of Sciences. (New York)

Trans. Roy. Soc. Canada. Transactions of the Royal Society of Canada. Chemical, Mathematical and Physical Sciences. (Ottawa)

Trans. Roy. Soc. South Africa. Transactions of the Royal Society of South Africa. (Cape Town)

Transportation Sci. Operations Research Society of America. Transportation Science Section. Transportation Science. (Baltimore, Md.)

TRU Math. TRU Mathematics. (Tokyo)

Trudy Akad. Nauk Litov. SSR Ser. B. Lietuvos TSR Mokslų Akademijos. Darbai. Serija B. Akademii Nauk Litovskoi SSR. Trudy. Serija B. (Vilnius)

Trudy Doneck. Politehn. Inst. Trudy Doneckogo Politehničeskogo Instituta. (Doneck)

Trudy Fiz. Inst. Lebedev. Akademija Nauk SSSR. Trudy Fizičeskogo Instituta imeni P. N. Lebedeva. (Moscow) (Translated as: *Proc. (Trudy) P. N. Lebedev Phys. Inst.*)

Trudy Geometr. Sem. Akademija Nauk SSSR. Institut Naučnoi Informacii. VINITI. Trudy Geometričeskogo Seminara. (Moscow)

Trudy Inst. Istor. Estestvozn. Tehn. Akademija Nauk SSSR. Trudy Instituta Istorii Estestvoznaniia i Tehniki. (Moscow)

Trudy Inst. Teoret. Astronom. Akademija Nauk SSSR. Trudy Instituta Teoretičeskoi Astronomii. (Moscow)

Trudy Irkutsk. Gos. Univ. Trudy Irkutskogo Gosudarstvennogo Universiteta. (Irkutsk)

Trudy Kazan. Aviacion. Inst. Trudy Kazanskogo Aviacionnogo Instituta. Matematika i Mekhanika. (Kazan)

Trudy Kazan. S.-h. Inst. Trudy Kazanskogo Sel'skhozjaistvennogo Instituta. (Kazan)

Trudy Leningrad. Tehn. Inst. Trudy Kafedr Meh. Fak. Ministerstvo Vysshego Obrazovaniia SSSR. Trudy Leningradskogo Tehnologičeskogo Instituta imeni Lensovea. Trudy Kafedr Mehaničeskogo Fakul'teta. (Leningrad)

Trudy Mat. Inst. Steklov. Akademija Nauk Sojuza Sovetskikh Socialističeskikh Respublik. Trudy Matematičeskogo Instituta im. V. A. Steklova. (Moscow-Leningrad) (Translated as: *Proc. Steklov Inst. Math.*)

Trudy Moskov. Mat. Obšč. Trudy Moskovskogo Matematičeskogo Obščestva. (Moscow) (Translated as: *Trans. Moscow Math. Soc.*)

Trudy Moskov. Orden. Lenin. Energet. Inst. Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniia RSFSR. Trudy Moskovskogo Ordena Lenina Energetičeskogo Instituta. (Moscow)

Trudy Naučn. Ob'ed. Prepodav. Fiz.-Mat. Fak. Ped. Inst. Dal'n. Vostok. Ministerstvo Prosvetšeniia RSFSR. Habarovskii Gosudarstvennyi Pedagogičeskii Institut. Trudy Naučnogo Ob'edineniia Prepodavatelei Fiziko-matematičeskikh Fakul'tetov Pedagogičeskikh Institutov Dal'nego Vostoka. (Khabarovsk)

**Trudy Prževal'sk. Gos. Ped. Inst.* Ministerstvo Narodnogo Obrazovaniia Kirgizskoi SSR. Trudy Prževal'skogo Gosudarstvennogo Pedagogičeskogo Instituta. (Prževal'sk)

Trudy Samarkand. Gos. Univ. Mat. Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniia UzSSR. Trudy Samarkandakogo Gosudarstvennogo Universiteta im. A. Navoi. Matematika. (Samarkand)

Trudy Saratov. Inst. Meh. S.-h. Trudy Saratovskogo Instituta Mehaničeskoi Sel'skogo Hozjaistva. (Saratov)

Trudy Sem. Kraev. Zadacham. Trudy Seminara po Kraevym Zadacham. (Kazan')

Trudy Sem. Mat. Fiz. Nelinein. Koleban. Akademija Nauk Ukrainskoi SSR. Institut Matematiki. Trudy Seminara po Matematičeskoi Fizike i Nelineinym Kolebanijam. (Kiev)

Trudy Sem. Teor. Differencial. Uravnenii s Otklon. Argumentom Univ. Družby Narodov Patrisa Lumumby. Trudy Seminara po Teorii Differencial'nykh Uravnenii s Otklonjajuščimaja Argumentom. Universitet Družby Narodov imeni Patrisa Lumumby. (Moscow)

Trudy Sem. Vektor. Tenzor. Anal. Trudy Seminara po Vektornomu i Tenzornomu Analizu s ih Priloženijami k Geometrii, Mekhanike i Fizike. (Moscow)

Trudy Sibirsk. Fiz.-Tehn. Inst. Trudy Sibirskogo Fiziko-Tehničeskogo Instituta imeni Akademika V. D. Kuznecova. (Tomsk)

Trudy Taškent. Gos. Univ. Trudy Taškentskogo Gosudarstvennogo Universiteta im. V. I. Lenina. Matematika. (Taškent) See *Taškent. Gos. Univ. Naučn. Trudy.*

Trudy Tomsk. Gos. Univ. Trudy Tomskogo Gosudarstvennogo Universiteta im. V. V. Kučbyčeva. (Tomsk)

Trudy Univ. Družby Narod. Trudy Universiteta Družby Narodov imeni Patrisa Lumumby. (Moscow)

Trudy Vsesojuz. Zaočn. Energet. Inst. Trudy Vsesojuznogo Zaočnogo Energetičeskogo Instituta. (Moscow)

Trudy Vyčisl. Centra Akad. Nauk Armjan. SSR i Erevan. Gos. Univ. Trudy Vyčislitel'nogo Centra Akademii Nauk Armjanskoi SSR i Erevanskogo Gosudarstvennogo Universiteta. (Erevan)

Trudy Vyčisl. Centra Akad. Nauk Gruzin. SSR. Akademija Nauk Gruzinskoi SSR. Trudy Vyčislitel'nogo Centra. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Gamatvl. Centr. Šrom.*

Trudy Vyčisl. Centra Tartu. Gos. Univ. Trudy Vyčislitel'nogo Centra. Tartuskii Gosudarstvennyi Universitet. (Tartu)

**Tul. Gos. Ped. Inst. Učen. Zap. Mat. Kaf.* Tul'skii Gosudarstvennyi Pedagogičeskii Institut im. L. N. Tolstogo. Učenne Zapiski Matematičeskikh Kafedr. (Tula)

Turkmen. Gos. Univ. Učen. Zap. Ministerstvo Narodnogo Obrazovaniia TSSR. Turkmenskii Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Učenne Zapiski. (Ashkhabad)

Tydskr. Natuurwetenskap. Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns. Tydskrif vir Natuurwetenskappe. (Pretoria)

U.S.S.R. Computational Math. and Math. Phys. U.S.S.R. Computational Mathematics and Mathematical Physics. (Oxford) (Translation of *Ž. Vyčisl. Mat. i Mat. Fiz.*)

Überblicke Math. Überblicke Mathematik. (Mannheim)

Učen. Zap. Borisoglebsk. Gos. Ped. Inst. Ministerstvo Prosvetšeniia RSFSR. Učenne Zapiski. Borisoglebskogo Gosudarstvennogo Pedagogičeskogo Instituta. (Borisoglebsk)

Učen. Zap. Karel. Ped. Inst. Ser. Fiz.-Mat. Nauk. Ministerstvo Prosvetšeniia RSFSR. Karel'skii Pedagogičeskii Institut. Učenne Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Petrozavodsk)

Ukrain. Fiz. Ž. Akademija Nauk Ukrainskoi SSR. Viddil Fiziki. Ukrain'skii Fizičnii Žurnal. (Kiev) (Ukrainian edition)

Ukrain. Fiz. Ž. Akademija Nauk Ukrainskoi SSR. Otdelenie Fiziki. Ukrainskii Fizičeskii Žurnal. (Kiev) (Russian edition)

Ukrain. Geometr. Sb. Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniia USSR. Ukrainskii Geometričeskii Sbornik. (Khar'kov)

Ukrain. Mat. Ž. Akademija Nauk Ukrainskoi SSR. Institut Matematiki. Ukrainskii Matematičeskii Žurnal. (Kiev) (Translated as: *Ukrainian Math. J.*)

Ukrainian Math. J. Ukrainian Mathematical Journal. (New York) (Translation of *Ukrain. Mat. Ž.*)

Ul'janovsk. Gos. Ped. Inst. Učen. Zap. Ul'janovskii Gosudarstvennyi Pedagogičeskii Institut imeni I. N. Ul'janova. Učenne Zapiski. (Saratov)

ABBREVIATIONS OF NAMES OF JOURNALS

- Univ. Allahabad Studies.* University of Allahabad Studies. (Allahabad)
- Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz.* Univerzitet u Beogradu. Publikacije Elektrotehničkog Fakulteta. Serija Matematika i Fizika. (Belgrade)
- Univ. Beograd. Zb. Radova Građevin. Fak.* Univerzitet u Beogradu. Zbornik Radova Građevinskog Fakulteta u Beogradu. (Belgrade)
- Univ. Central Venezuela Bol. Fac. Ing.* Universidad Central de Venezuela. Boletín de la Facultad de Ingeniería. (Caracas)
- Univ. e Politec. Torino Rend. Sem. Mat.* Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica"). (Turin)
- Univ. Genova Pubbl. Ist. Mat.* Università di Genova Pubblicazioni dell'Istituto di Matematica. (Genova)
- Univ. Habana.* Universidad de la Habana. (Havana)
- Univ. Lisboa Revista Fac. Ci. A.* Universidade de Lisboa. Revista da Faculdade de Ciências. 2.^a Série. A. Ciências Matemáticas. (Lisbon)
- Univ. Madrid Publ. Sec. Mat. Fac. Ci.* Universidad de Madrid. Publicaciones de la Sección de Matemática de la Facultad de Ciencias. (Madrid)
- Univ. Nac. Ingen. Inst. Mat. Puras Apl. Notas Mat.* Universidad Nacional de Ingeniería. Instituto de Matemáticas Puras y Aplicadas. Notas de Matemáticas. (Lima)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Segunda Rev. (or Contrib.)* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Segunda. Revista (or Contribuciones). (La Plata)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Tercera Publ. Esp.* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Tercera. Publicaciones Especiales. (La Plata)
- Univ. Nac. Tucumán Rev. Ser. A.* Universidad Nacional de Tucumán. Facultad de Ciencias Exactas y Tecnología. Revista. Serie A. Matemáticas y Física Teórica. (Tucumán)
- Univ. Repúb. Fac. Ingen. Agrimens. Montevideo Publ. Inst. Mat. Estadíst.* Universidad de la República. Facultad de Ingeniería y Agrimensura. Montevideo-Uruguay. Publicaciones del Instituto de Matemática y Estadística. (Montevideo)
- Univ. Roorkee Res. J.* University of Roorkee. Research Journal. (Roorkee)
- Univ. Adama Mickiewicza w Poznan. Prace Wydz. Mat. Fiz. Chem. Ser. Mat.* Uniwersytet im. Adama Mickiewicza w Poznaniu. Prace Wydziału Matematyki, Fizyki i Chemii. Seria Matematyka. (Poznań)
- Unternehmensforschung.* Unternehmensforschung. Operations Research—Recherche Opérationnelle. (Würzburg)
- Ural. Gos. Univ. Mat. Zap.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya RSFSR. Ural'skii Gosudarstvennyi Universitet im. A. M. Gor'kogo. Ural'skoe Matematicheskoe Obshchestvo. Matematicheskie Zapiski. (Sverdlovsk)
- Ural. Politehn. Inst. Sb.* Ministerstvo Prosvetsheniya RSFSR. Ural'skii Politehnicheskii Institut im. S. M. Kirova. Sbornik. (Sverdlovsk)
- Uspehi Mat. Nauk.* Akademiya Nauk SSSR i Moskovskoe Matematicheskoe Obshchestvo. Uspehi Matematicheskikh Nauk. (Moscow-Leningrad) (Selected articles translated as: *Russian Math. Surveys*)
- Užgorod. Gos. Univ. Naučn. Zap.* MVO USSR. Užgorodskii Gosudarstvennyi Universitet. Naučnye Zapiski. (Lvov)
- V. I. Lenin. Sakharth. Politekh. Inst. Šrom.* V. I. Leninis Saḡelobis Šromis Citheli Drošis Ordenosani Sakharthvelos Politekhnikuri Institut. Šromebi. (Tbilisi) (Formerly listed as: *Gruzin. Politehn. Inst. Trudy*)
- Verh. Konink. Vlaamse Acad. Wetensch. Lett. Schone Kunst. België Kl. Wetensch.* Verhandelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen. (Brussels)
- Vesci Akad. Navuk BSSR Ser. Fiz.-Mat. Navuk.* Vesci Akademii Navuk BSSR. Seriya Fizika-matematyčnyh Navuk. (Minsk)
- Vestnik Akad. Nauk Kazah. SSR.* Vestnik Akademii Nauk Kazahskoi SSR. (Alma-Ata)
- Vestnik Har'kov. Gos. Univ.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Vestnik Har'kovskogo Gosudarstvennogo Universiteta. Serija Mehaniko-Matematičeskaja. Zapiski Mehaniko-Matematičeskogo Fakulteta i Har'kovskogo Matematicheskogo Obshchestva. (Kharkov)
- Vestnik Leningrad. Univ.* Vestnik Leningradskogo Universiteta. (Leningrad)
- Vestnik Moskov. Univ. Ser. I Mat. Meh.* Vestnik Moskovskogo Universiteta. Serija I. Matematika, Mekhanika. (Moscow)
- Vestnik Moskov. Univ. Ser. III Fiz. Astronom.* Vestnik Moskovskogo Universiteta. Serija III. Fizika, Astronomija. (Moscow) (Translated as: *Moscow Univ. Phys. Bull.*)
- Vidya.* Vidya (Knowledge). The Journal of the Gujarat University. (Ahmedabad)
- Vierteljahr. Naturforsch. Gesellsch. Zürich.* Vierteljahrschrift der Naturforschenden Gesellschaft in Zürich. (Zürich)
- Việt Nam Dân Chủ Cộng Hòa Ủy Ban Khoa Học Nhà Nước.* See *Acta Sci. Vietnam.*
- Vijnana Parishad Anusandhan Patrika.* Vijana Parishad Anusandhan Patrika [The Research Journal of the Hindu Science Academy]. (Allahabad)
- Vikram—Quart. Res. J. Vikram Univ.* The Vikram. Quarterly Research Journal of Vikram University. (Ujjain)
- Visnik Kiiv. Univ.* Visnik Kiiv'skogo Universitetu. (Kiev)
- Visnik L'viv. Derž. Univ. Ser. Meh.-Mat.* Ministerstvo Višoi i Srednoi Special'noi Osviti URSR. Visnik L'viv'skogo Ordena Lenina Deržavnogo Universitetu im. Ivana Franka. Serija Mehaniko-Matematična. (Lvov)
- Visnik L'viv. Politehn. Inst.* Visnik L'viv'skogo Politehnicheskogo Institutu. (Lvov)
- *Volograd. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvetsheniya RSFSR. Volgogradskogo Gosudarstvennogo Pedagogičeskogo Instituta im. A. S. Serafimoviča Učenyje Zapiski. (Volograd)
- Vologod. Gos. Ped. Inst. Učen. Zap.* Vologodskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Vologda) (May also appear as: *Vologod. i Čerepovec. Gos. Ped. Inst. Učen. Zap.*)
- Vologod. i Čerepovec. Gos. Ped. Inst. Učen. Zap.* Vologodskii Gosudarstvennyi Pedagogičeskii Institut. Čerepoveckii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Vologda) (May also appear as: *Vologod. Gos. Ped. Inst. Učen. Zap.*)
- Volg. Mat. Sb.* Ministerstvo Prosvetsheniya RSFSR. Kuibyshevskii Gosudarstvennyi Pedagogičeskii Institut imeni V. V. Kuibysheva. Volžskii Matematicheskii Sbornik. (Kuibyshev)
- Voprosy Istor. Estestvoznani. i Tehn.* Akademiya Nauk SSSR. Voprosy Istorii Estestvoznaniya i Tehniki. (Moscow)
- Voprosy Kibernet. Vyčisl. Mat.* Akademiya Nauk Uzbekskoi SSR. Institut Kibernetiki s Vyčislitel'nyim Centrom. Voprosy Kibernetiki i Vyčislitel'noi Matematiki. (Tashkent)
- Voprosy Kosmog.* Akademiya Nauk SSSR. Voprosy Kosmogonii. (Moscow)
- Voronež. Gos. Univ. Trudy Sem. Funkcional. Anal.* Ministerstvo Vysshego Obrazovaniya SSSR. Voronežskii Gosudarstvennyi Universitet. Trudy Seminara po Funkcional'nomu Analizu. (Voronezh)
- Voronež. Tehn. Inst. Trudy.* Voronežskii Tehnologičeskii Institut. Trudy. (Voronezh)
- Vyčisl. Prikl. Mat. (Kiev).* Kievskii Gosudarstvennyi Universitet. Meždedomstvennyi Naučnyi Sbornik. Vyčislitel'naja i Prikladnaja Matematika. (Kiev)
- Vyčisl. Sistemy.* Akademiya Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Vyčislitel'nye Sistemy. Sbornik Trudov. (Novosibirsk)

Vyčisl. Tehn. Voprosy Programm. Leningradskij Ordena Lenina Gosudarstvennyj Universitet imeni A. A. Zdanova. Kafedra Vyčislitel'noj Matematiki i Vyčislitel'nyj Centr. Vyčislitel'naja Tehnika i Voprosy Programirovanija. (Leningrad)

Wiadom. Mat. Roczniki Polskiego Towarzystwa Matematycznego. Ser. II. Wiadomości Matematyczne. (Warsaw)

Wiss. Beiträge Martin-Luther-Univ. Halle-Wittenberg. Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg. (Halle-Wittenberg)

Wiss. Z. Ernst-Moritz-Arndt-Univ. Greifswald Math.-Natur. Reihe Wissenschaftliche Zeitschrift der Ernst-Moritz-Arndt-Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe. (Greifswald)

Wiss. Z. Friedrich-Schiller-Univ. Jena/Thüringen. Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena/Thüringen. (Jena/Thüringen)

Wiss. Z. Hochsch. Verkehrswesen "Friedrich List" Dresden. Wissenschaftliche Zeitschrift der Hochschule für Verkehrswesen "Friedrich List" in Dresden. Die Anwendung mathematischer Methoden im Transport- und Nachrichtenwesen. (Dresden)

Wiss. Z. Humboldt-Univ. Berlin Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Humboldt-Universität Berlin. Mathematisch-Naturwissenschaftliche Reihe. (Berlin)

Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig. Mathematisch-Naturwissenschaftliche Reihe. (Leipzig)

Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg. Mathematisch-Naturwissenschaftliche Reihe. (Halle-Wittenberg)

Wiss. Z. Pädagog. Hochsch. Potsdam Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Pädagogischen Hochschule Potsdam. Mathematisch-Naturwissenschaftliche Reihe. (Potsdam)

Wiss. Z. Techn. Hochsch. Chem. Leuna-Merseburg. Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie Leuna-Merseburg. (Leuna-Merseburg)

Wiss. Z. Techn. Hochsch. Ilmenau. Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau. (Ilmenau)

Wiss. Z. Techn. Hochsch. Karl-Marx-Stadt. Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt. (Karl-Marx-Stadt)

Wiss. Z. Techn. Univ. Dresden. Wissenschaftliche Zeitschrift der Technischen Universität Dresden. (Dresden)

Wyt. Szkol. Ped. Krakow. Rocznik Nauk.-Dydakt. Prace Mat. Wyższa Szkoła Pedagogiczna w Krakowie. Rocznik Naukowo-Dydaktyczny. Prace Matematyczne. (Kraków)

*Wyt. Szkol. Ped. w Katowicach—Zeszyty Nauk. Sekc. Mat. Wyższa Szkoła Pedagogiczna w Katowicach. Zeszyty Naukowe. Sekcja Matematyki. (Katowice)

WZE Wiss. Z. Elektrotech. WZE Wissenschaftliche Zeitschrift der Elektrotechnik. (Leipzig)

Yokohama Math. J. Yokohama Mathematical Journal. (Yokohama)

Z. Angew. Math. Mech. Zeitschrift für Angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. (Berlin)

Z. Angew. Math. Phys. Zeitschrift für Angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physiques Appliquées. (Basel)

Ž. Eksper. Teoret. Fiz. Akademija Nauk SSSR. Žurnal Eksperimental'noj i Teoretičeskoj Fiziki. (Moscow) (Translated as: Soviet Physics JETP)

Z. Math. Logik Grundlagen Math. Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. (Berlin)

Z. Naturforsch. Zeitschrift für Naturforschung. (Tübingen)

Z. Phonetik Sprachwiss. Kommunikat. Zeitschrift für Phonetik Sprachwissenschaft und Kommunikationsforschung. (Berlin)

Z. Physik. Zeitschrift für Physik. (Berlin)

Ž. Prikl. Meh. i Tehn. Fiz. Žurnal Prikladnoj Mehaniki i Tehničeskoj Fiziki. (Moscow) (Translated as: J. Appl. Mech. Tech. Phys.)

Ž. Vyčisl. Mat. i Mat. Fiz. Akademija Nauk SSSR. Žurnal Vyčislitel'noj Matematiki i Matematičeskoj Fiziki. (Moscow) (Translated as: U.S.S.R. Computational Math. and Math. Phys.)

Z. Wahrscheinlichkeitstheorie und Verw. Gebiete. Zeitschrift für Wahrscheinlichkeitstheorie und Verwandte Gebiete. (Berlin)

Zap. Meh.-Mat. Fak. i Har'kov. Mat. Obšč. See Vestnik Har'kov. Gos. Univ.

Zap. Naučn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI). Zapiski Nauchnyh Seminarov Leningradskogo Otdelenija Matematičeskogo Instituta im. V. A. Steklova Akademii Nauk SSSR (LOMI). (Moscow) (Translated as: Sem. Math. V. A. Steklov Math. Inst. Leningrad)

Zastos. Mat. Polska Akademia Nauk. Instytut Matematyczny. Zastosowania Matematyki. (Warsaw)

Zbl. Zentralblatt für Mathematik und ihre Grenzgebiete. (Berlin)

Zbl. Math. Zentralblatt für Mathematik und ihre Grenzgebiete (Berlin-Göttingen-Heidelberg) (Usually abbreviated Zbl in the text of Math. Reviews)

Zeszyty Nauk. Akad. Górno-Hutniczej—Math.-Fiz.-Chem. Zeszyty Naukowe Akademii Górniczo-Hutniczej im. Stanisława Staszica. Matematyka-Fizyka-Chemia. (Kraków)

Zeszyty Nauk. Mat. Fiz. i Chem. Wyt. Szkol. Ped. Gdańsk. Zeszyty Naukowe Matematyka Fizyka i Chemia. Wyższa Szkoła Pedagogiczna w Gdańsku. Wydział Matematyki, Fizyki i Chemii. (Gdańsk)

Zeszyty Nauk. Politech. Poznań. Zeszyty Naukowe Politechniki Poznańskiej. (Poznań)

Zeszyty Nauk. Politech. Śląsk. Mat.-Fiz. Zeszyty Naukowe Politechniki Śląskiej-Matematyka-Fizyka. (Gliwice)

Zeszyty Nauk. Politech. Szczecin. Zeszyty Naukowe Politechniki Szczecińskiej. (Szczecin)

Zeszyty Nauk. Univ. Jagiello. Prace Fiz. Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Fizyczne. (Kraków)

Zeszyty Nauk. Univ. Jagiello. Prace Mat. Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Matematyczne. (Matematyka, Fizyka, Chemia) (Kraków)

Zeszyty Nauk. Univ. Jagiello. Prace z Logiki. Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace z Logiki. (Kraków)

Zeszyty Nauk. Univ. Łódz. Nauki Mat. Przyrod. Ser. II. Zeszyty Naukowe Uniwersytetu Łódzkiego. Nauki Matematyczno-Przyrodnicze. Seria II. (Łódź)

Zeszyty Nauk. Wyt. Szkol. Ped. Opol. Zeszyty Naukowe Wyższej Szkoły Pedagogicznej w Opolu. (Opole)

Zhongguo Kexue Jishu Daxue Xuebao. (Peking) See J. China Univ. Sci. Techn.

JOURNALS IN TRANSLATION

- Acta Mech. Sinica* (New York). *Acta Mechanica Sinica*. (New York) (Translation of *Acta Mech. Sinica* (Peking))
- Algebra and Logic*. *Algebra and Logic*. (New York) (Translation of *Algebra i Logika*)
- Astrophysics*. *Astrophysics*. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Automat. Control*. *Automatic Control*. (A translation of *Avtomatika i Vychislitel'naja Tehnika*). (New York) (Translation of *Avtomat. i Vychisl. Tehn.*)
- Automat. Remote Control*. *Automation and Remote Control*. (A translation of *Avtomatika i Telemechanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Avtomat. i Telemech.*)
- Chinese J. Phys.* (Peking). *Chinese Journal of Physics* (Peking). (A translation of *Acta Physica Sinica* of the Chinese Academy of Sciences, Peking). (New York) (Translation of *Acta Phys. Sinica*)
- Chinese Math.*—*Acta*. *Chinese Mathematics*. Translation of *Acta Mathematica Sinica*. (Providence, R.I.) (Translation of *Acta Math. Sinica*)
- Cybernetics*. *Cybernetics*. (New York) (A translation of *Kibernetika* (Kiev))
- Differential Equations*. *Differential Equations*. (New York) (Translation of *Differentsial'nye Uravneniya*)
- Electron. Commun. Japan*. *Electronics and Communications in Japan*. The Transactions of the Institute of Electronics and Communication Engineers of Japan. (New York) (Translation of *Denshi Tsushin Gakkai Ronbunshi*)
- Engng. Cybernetics*. *Engineering Cybernetics*. English Edition of *Tekhnicheskaja Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Fluid Dynamics*. *Fluid Dynamics*. (New York) (Translation of *Izv. Akad. Nauk SSSR Ser. Meh. Zhidk. Gaza*)
- Functional Anal. Appl.* *Functional Analysis and its Applications*. (New York) (Translation of *Funktsional. Anal. i Prilozhen.*)
- Geodes. and Aerophot.* *Geodesy and Aerophotography*. (Washington, D.C.) (Translation of *Izv. Vysš. Učebn. Zaved. Geod. i Aërofot.*)
- Isv. Acad. Sci. USSR Atmospher. Ocean. Phys.* *Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana*)
- Isv. Acad. Sci. USSR Phys. Solid Earth*. *Izvestiya Academy of Sciences USSR. Physics of the Solid Earth*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- J. Appl. Math. Mech.* *Journal of Applied Mathematics and Mechanics*. (Translation of the Soviet journal *Prikladnaja Matematika i Mekhanika*). (New York) (Translation of *Prikl. Mat. Meh.*)
- J. Appl. Mech. Tech. Phys.* *Journal of Applied Mechanics and Technical Physics*. (New York) (Translation of *Ž. Prikl. Meh. i Tehn. Fiz.*)
- Magnetohydrodynamics*. *Magnetohydrodynamics*. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)
- Math. Notes*. *Mathematical Notes of the Academy of Sciences of the USSR*. (New York) (Translation of *Mat. Zametki*)
- Math. USSR-Izv.* *Mathematics of the USSR-Izvestija*. (Providence, R.I.) (Translation of *Izv. Akad. Nauk SSSR Ser. Mat.*)
- Math. USSR-Sb.* *Mathematics of the USSR-Sbornik*. (Providence, R.I.) (Translation of *Mat. Sb.*)
- Mechanics of Solids*. *Mechanics of Solids*. (New York) (Translation of *Inf. Ž. Meh. Teord. Tela*)
- Moscow Univ. Phys. Bull.* *Moscow University Physics Bulletin*. (New York) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- Probleme der Kybernetik*. *Probleme der Kybernetik*. (Berlin) (Translation of *Problemy Kibernet.*)
- Problems of Information Transmission*. *Problems of information Transmission*. (New York) (Translation of *Problemy Peredachi Informacii*)
- Proc. Steklov Inst. Math.* *Proceedings of the Steklov Institute of Mathematics*. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- Proc. (Trudy) P. N. Lebedev Phys. Inst.* *Proceedings (Trudy) of the P. N. Lebedev Physics Institute*. (New York/London) (Translation of *Trudy Fiz. Inst. Lebedev.*)
- Radio Engng. Electron. Phys.* *Radio Engineering and Electronic Physics*. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotehn. i Elektron.*)
- Radiophys. and Quantum Electronics*. *Radiophysics and Quantum Electronics*. (A translation of *Izvestija Vysših Učebnyh Zavedenij Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Radiofizika*)
- Russian Math. Surveys*. *Russian Mathematical Surveys*. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematičeskijh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- Sem. Math. V. A. Steklov Math. Inst. Leningrad.* *Seminars in Mathematics V. A. Steklov Mathematical Institute Leningrad*. (New York) (Translation of *Zap. Naučn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI)*)
- Siberian Math. J.* *Siberian Mathematical Journal*. (New York) (Translation of *Sibirsk. Mat. Ž.*)
- Soviet Aeronaut.* *Soviet Aeronautics*. (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Aviacion. Tehn.*)
- Soviet Appl. Mech.* *Soviet Applied Mechanics*. (New York) (Translation of *Prikladna. Meh.*)
- Soviet Astronom. AJ.* *Soviet Astronomy. AJ.* (A translation of *Astronomičeskij Žurnal*, the astronomical journal of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Ž.*)
- Soviet Automat. Control*. *Soviet Automatic Control*. (New York) (Translation of *Avtomatika*)
- Soviet J. Nuclear Phys.* *American Institute of Physics. Soviet Journal of Nuclear Physics*. (New York) (Translation of *Jadernaja Fiz.*)
- Soviet Math. Dokl.* *Soviet Mathematics. Doklady*. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics Acoust.* *Soviet Physics. Acoustics*. (A translation of *Akustičeskij Žurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Ž.*)
- Soviet Physics Dokl.* *Soviet Physics. Doklady*. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics J.* *Soviet Physics Journal*. (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Fizika*)
- Soviet Physics JETP*. *Soviet Physics. JETP*. (A translation of *Ž. Eksperimental'noj i Teoretičeskoj Fiziki* of the USSR). (New York) (Translation of *Ž. Eksper. Teoret. Fiz.*)
- Systems Theory Res.* *Systems Theory Research*. (New York) (Translation of *Problemy Kibernet.*)
- Theor. Probability Appl.* *Theory of Probability and its Applications*. (An English translation of the Soviet journal *Teorija Verojatnostej i ee Primenenija*). (Philadelphia, Pa.) (Translation of *Teor. Verojatnost. i Primenen.*)
- Trans. Moscow Math. Soc.* *Transactions of the Moscow Mathematical Society*. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obšč.*)
- U.S.S.R. Computational Math. and Math. Phys.* *U.S.S.R. Computational Mathematics and Mathematical Physics*. (Oxford) (Translation of *Ž. Vychisl. Mat. i Mat. Fiz.*)
- Ukrainian Math. J.* *Ukrainian Mathematical Journal*. (New York) (Translation of *Ukrain. Mat. Ž.*)

ERRATA AND ADDENDA

VOLUME 5

p. 275: Wecken, Franz

In line 4 replace "connected finite 2-dimensional" with "2-dimensionally connected finite" and in lines 5 and 6 replace "connected finite 3-dimensional" by "3-dimensionally connected finite". In line 9 replace "connected finite 2-complex" by "finite 2-dimensionally connected complex".

VOLUME 33

#2789: Fau Dyk Tin'; Šilov, G. E.

The name of the first author is misspelled. It should be **Fan Dyk Tin'**.

Index for Volume 33

On page 1475 change **Fau Dyk Tin'** to **Fan Dyk Tin'** and move entry to its proper place alphabetically. On page 1547, in the entry for G. E. Šilov, change **Fau Dyk Tin'** to **Fan Dyk Tin'**.

VOLUME 34

#3153: Mazhar, S. M.

The paging is incorrectly given. In the heading, replace "513-561" by "513-518".

#6890: Shirladze, R. I.

After the author's name add "[Shirladze, R. I.]".

#6238: Malkin, I. G.

This edition was edited by N. N. Krasovskii, who also wrote Appendices 3 and 4 and the supplementary notes.

Index for Volume 34

On page 1728 change **R. I. Shirladze** to **R. L. Shirladze**. On page 1746 change **Charles L. Weber** to **Claude Weber**.

#6785: Weber, Charles L.

The name in brackets should be replaced by **Claude Weber**.

VOLUME 37

#2306: Itô, Kiyosi

The second and third paragraphs are incorrectly attributed to the author instead of to the reviewer. Quotation marks should be adjusted accordingly.

VOLUME 38

#1731: Eaves, D. M.

In lines 4 and 5 replace "exact union (strict inductive limit)" by "union".

Index for Volume 38

On page 1339 change **Charles L. Weber** to **Claude Weber**.

#6606: Weber, Charles L.

The name in brackets should be replaced by **Claude Weber**.

VOLUME 39

#1569: Fröhlich A.; McEvet, A. M.

After the name of the second author insert "[McEvet, Allan W.]".

#6856: Yamamoto, Y.; Naganuma, M.; Doi, K.

In the first author's name replace "Y." by "Yoshihiko"; in the second author's name replace "M." by "Hidehisa"; in the third author's name replace "K." by "Koji".

#4850: Weber, Charles L.

The name in brackets should be replaced by **Claude Weber**.

VOLUME 39 *cont.*

Index for Volume 39

On page 1465 change K. Doi to Koji Doi. On page 1508 change A. M. McEvet to Allan W. McEvet and insert a new entry: "McEvet, A. M. *See* McEvet, Allan W." On page 1514 change M. Naganuma to Hidehisa Naganuma. On page 1553 change Charles L. Weber to Claude Weber. On page 1556 change Y. Yamamoto to Yoshihiko Yamamoto.

VOLUME 40

#4573: Ioffe, A. D.

In line 4 from the bottom replace "external point" by "extreme point".

#6316: Jankó, B.; Coroianu, I.; Balázs, Martin

After the name of the second author add "[Coroian, I.]".

Index for Volume 40

On page 1566 change I. Coroianu to I. Coroian and insert a new entry: "Coroianu, I. *See* Coroian, I."

VOLUME 41

#41: Tolstova, Ju. M.

In the author's name change the initial M. to N.

#136: Schmidt, E. T.

In the last line of the first column add "for compact x " just before "as congruence lattices of lattices".

#3577: Wilson, John S.

Replace the last three words by "Maximal- und Minimalbedingung für Normalteiler".

#8314: Vladimirov, D. A.

In the second paragraph the second MR reference is incorrect. Replace MR 37 #21 by MR 37 #121.

#8561: Aczél, J.; Golab, St.

In line 9 from the bottom change " $a \neq 0$ " to " $\alpha \neq 0$ ".

#8915: Izumi, Masako; Izumi, Shin-ichi

In the third line from the bottom the reference cited was incorrectly attributed by the editors to the reviewer (H. P. Dikshit). It is in fact by G. D. Dikshit.

Index for Volume 41

On page 1911 change the initial "M." to "N." in the two entries for Tolstova.

VOLUME 42

#157: Pacholski, L.; Ryll-Nardzewski, C.

The reviewer wishes to add the following remarks, which apply also to review #158. "The first author has stated in a letter that both papers belong more in the area of 'Logic and Foundations' than in that of 'Order, Lattices, ...'. The reviewer adds the following definition: A relational structure \mathcal{A} is countably compact if the family of all sets definable in \mathcal{A} is countably compact. For countable languages the notions of 'countably compact structure' and ' ω_1 -saturated' coincide."

#445: Klamkin, M. S.; Newman, D. J.

After the name of the second author insert "[Newman, Donald J.]".

#741: Byrnes, J. S.; Newman, D. J.

After the name of the second author insert "[Newman, Donald J.]".

#853: Bonsall, F. F.; Crabb, M. J.

In lines 5 and 6, the reference is incorrectly given. Replace "J. London Math. Soc., to appear" by "Proc. Amer. Math. Soc. 28 (1971), 446-450; MR 43 #921".

#1327: Forsythe, George E.

In line 7 replace " $\epsilon + 0 \times \beta^m$ " by " $\epsilon + 0 \times \beta^n$ ".

#1782: Motohashi, Yoichi

In line 5 from the bottom replace "sends" by "tends".

#1948: Šleínková, M. A.

The author's name is misspelled. It should be M. A. Šleínikova.

#1992: Todorov, Pavel

The reviewer wishes to add the following remarks. "The earlier papers of L. N. Čakalov and R. J. Distler determined the maximal domain of univalence of certain classes of meromorphic functions, where by domain we understand open connected set. The author extends some of these results by showing (a) if the simple poles lie in a closed disk, $|z - z_0| \leq R$, then $f(\cdot)$ is univalent in $|z - z_0| \geq (\sqrt{2})R$, the closure of the domain determined by Čakalov. If the n poles are real and $n > 2$, then $f(z)$ is univalent in the closure of the Čakalov domain minus one point.

"In equation (4) of the author's paper, the inequality sign should be reversed."

VOLUME 42 cont.

#2460: Parry, William

The first reference was incorrectly attributed by the editors to the reviewer (J. Auslander), Green and Hahn. It is in fact by L. Auslander, Green and Hahn.

#3294: Kolonits, F.

J. L. Walsh has communicated to the editors that the results of this paper are to be found in his monograph, *The location of critical points of analytic and harmonic functions*, Amer. Math. Soc. Colloq. Publ. No. 34, § 1.6.1, Amer. Math. Soc., New York, 1950 [MR 12, 249].

#3365: Martynjuk, A. A.

After the author's name add "[Martinjuk, A. A.]".

#3594: Karapetjano, N. K.

The author's name is misspelled. It should be N. K. Karapetjanc.

#3824: Holgate, Peter

The author's name is incorrectly printed. It should be Philip Holgate.

#4068: Chen, Yung-ming

The author's name is incorrectly written. It should be Yung Ming Chen.

#4483: Sarantopoulos, Spyridon

The reviewer wishes to add the following remarks. "Professor E. G. Straus has pointed out that Théorème 11 of this paper is false (counterexamples are easily constructed). Thus the first case of the Fermat conjecture appears to remain open."

#4524: Kohn, S.; Newman, D. J.

After the name of the second author insert "[Newman, Donald J.]".

#6884: Dacunha-Castelle, D.; Revuz, D.; Schreiber, M.

After the name of the third author add "[Schreiber, Michel]".

#7552: Arditti, Jean-Claude

The following sentence should follow the one printed: "Cette condition, qui se traduit en termes de flots dans un réseau de transport, est ici généralisée à une classe plus vaste de graphes, les graphes de comparabilité d'arbres orientés."

#8171: Furlotov, G. I.

In line 5 insert at the end "where $\{\lambda_k\}$ is the sequence of eigenvalues of the Laplace operator".

#8212: Deimling, Klaus

The fourth sentence of the second paragraph should be changed to read "... where $\| \cdot \|$ denotes the euclidean distance, and d is a continuous monotone increasing function on the non-negative reals with $d(0)=0$."

At the end of the review add a new paragraph: "{This thesis has appeared in English translation [Ann. Mat. Pura Appl. (4) 86 (1970), 217-260; MR 42 #6551].}"

#8251: Ošman, E. B.

After the author's name add "[Ošman, E. V.]".

#8462: Hillera, Louis J.

The author's name is incorrectly spelled. It should be Louis J. Billera.

#8533: Vahanija, N. N.

In line 3 from the bottom replace the semicolon by a comma.

#8695: Levin, M. I.

In line 5 read " $Cf(1)$ " instead of " $f(1)$ ".

#8820: Glimm, James; Jaffe, Arthur

The reviewer wishes to add the following remarks. "It was pointed out to the reviewer by J. Fröhlich that there is a gap in the proof of the spectral condition (Theorem 2.1). The proof that the ground state eigenvalue of H is simple does not extend to the case of $H(\beta)$. The difficulty is that $H(\beta)$ is not a real operator in the representation in which the fields are multiplication operators."

Index for Volume 42

On page 1666 change Yung-ming Chen to Yung Ming Chen. On page 1696 change Peter Holgate to Philip Holgate. On page 1705 change N. K. Karapetjanco to N. K. Karapetjanc. On page 1738 change E. B. Ošman to E. V. Ošman and insert a new entry: "Ošman, E. B. See Ošman, E. V.". On page 1757 change M. Schreiber to Michel Schrieber and insert a new entry: "Schreiber, M. See Schreiber, Michel". On page 1762 change M. A. Šleinkova to M. A. Šleĭnikova.

VOLUME 43

#501: Heins, Maurice

The author has informed the editors that he has recently observed that there is a close affinity between his paper and a paper of H. L. Royden [Math. Z. 78 (1962), 1-24; MR 28 #2190] although the questions under consideration are approached quite differently in the two papers. The author regrets overlooking the contents of Royden's paper.

#603: Lorch, Lee; Muldoon, M. E.; Szego, Peter

In the definition of M_k in line 11 change the lower limit " x_n " to " x_k ". In the last line of the first column change " $\nu > \frac{1}{2}$ " to " $\nu \geq \frac{1}{2}$ ". In the first line of the second column change the upper limit of second integral from " δ_{ν_1} " to " j_{ν_1} ".

#1606: Aronovič, A. B.

In the next to the last line change L. V. Levine to L. V. Levina.

VOLUME 43 cont.

#1676: Muhametzjanov, I. A.

The reviewer's name is misspelled. It should be *I. Selihova*.

#1892: Haskins, L.; Gudder, S.

In line 5 replace "has a greatest element d containing it" by "determines a greatest element d in the set of elements $\geq a$ ".

#3377: Vedel', Ja. Ja.

After the author's name add "[Wedel, Jakob]".

#3501: Eisenman, Donald A.

After the author's name insert "[Pelles, Donald A.]".

#3507: Shah, Manilal

It should have been pointed out that this article is a slightly abbreviated version of another article by the author [Comment. Math. Univ. St. Paul. 18 (1970), 19-29; MR 41 #3822].

#4227: Kolupaev, A. N.

The review should be deleted and replaced by the following: "This is a continuation of a previous article [Trudy Kazan. Aviacion. Inst. Vyp. 113 (1969), 47-51]. It discusses applications of nonlinear programming to statically indeterminate structures subjected to point loads and to distributed loads."

The review printed is that of the article cited and will appear with the proper heading in a future issue.

#4725: Gol'dberg, M. K.; Moon, J. W.

Delete M. K. Gol'dberg from the brackets and replace with Myron Goldberg.

TRANSLITERATION OF CYRILLIC

Russian Letter Cap. Ital.	Mathematical Reviews; Zentralblatt für Mathematik	Bulletin Signalétique	Applied Mechanics Reviews	Science Abstracts	U.S. Library of Congress	Amer. Slavic & E. European Review	Journal of Symbolic Logic
А а	a	a	a	a	a	a	a
Б б	b	b	b	b	b	b	b
В в	v	v	v	v	v	v	v
Г г	g	g	g	g	g	g	g
Д д	d	d	d	d	d	d	d
Е е	e	e	e	e	e	e	e
Ё ё	e	ë	e	ë	ë	ë	ë
Ж ж	zh	zh	zh	zh	zh	ž	ž
З з	z	z	z	z	z	z	z
И и	i	i	i	i	i	i	i
Й й	j	j	i	l	l	j	j
К к	k	k	k	k	k	k	k
Л л	l	l	l	l	l	l	l
М м	m	m	m	m	m	m	m
Н н	n	n	n	n	n	n	n
О о	o	o	o	o	o	o	o
П п	p	p	p	p	p	p	p
Р р	r	r	r	r	r	r	r
С с	s	s	s	s	s	s	s
Т т	t	t	t	t	t	t	t
У у	u	u	u	u	u	u	u
Ф ф	f	f	f	f	f	f	f
Х х	h	kh	kh	kh	kh	kh	h
Ц ц	c	c	ts	ts	ts	c	c
Ч ч	ch	ch	ch	ch	ch	č	č
Ш ш	sh	sh	sh	sh	sh	š	š
Щ щ	šč	shch	shch	shch	shch	šč	šč
Ъ ъ	'				'	'	
Ы ы	y	y	y	ȳ	y	y	y
Ь ь	'	'		'	'	'	'
Э э	è	e	e	é	é	è	e
Ю ю	ju	ju	yu	yu	iū	ju	ú
Я я	ja	ja	ya	ya	iä	ja	á

Other *Mathematical Reviews* conventions are as follows:

The Ukrainian І, і are transliterated I, i, respectively.

The Ukrainian І, і are reproduced without change.

The Ukrainian Є, є are transliterated Ė, ě.

The Serbian Ъ, ъ are transliterated Đ, đ, respectively.

The Serbian Ь, ь are transliterated Č, č; the Serbian Ы, ы are transliterated Dž, dž.



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